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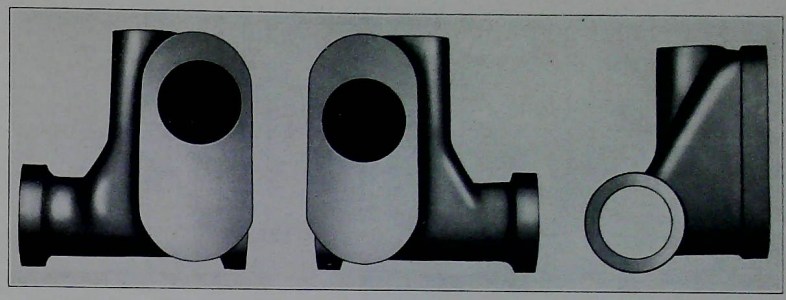
Important Information Page Pertaining to Blake TY Fittings and Carrier Chairs



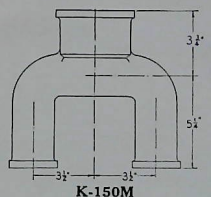
Left Hand Flow — Right Hand Flow — End View

NOTE—BE SURE TO STATE RIGHT OR LEFT HAND FLOW

The above is an illustration of our K-150S TY fitting showing right and left hand flow. This is determined by standing in front of fitting, facing same. In making up orders, care must be taken to see that proper fitting is designated. This can easily be done by having customer furnish rough sketch showing position of stack with relation to battery of fittings.

All fittings are carefully tested at plant for defects before shipping. All plate numbers of TY fittings are descriptive of type fittings shown, as K-150S (meaning screw pipe) and K-150SP (meaning soil pipe). On double fittings, we use the letter "D," signifying double. On short turns fittings shown on dimension page, we use the letters "ST," meaning, of course, short turn. Our short turn fittings are designed to use on first closet of battery where stack is too close to use regular fitting. Note that short turn fitting is made in screw pipe only, and can be used for soil pipe only by the use of a soil pipe adapter and hub connector screwed into the fitting.

We have been very painstaking in including all descriptive matter with illustrations of wall hanging closet fittings, and we are sure with this information engineers will be able to make their layouts properly. On special jobs requiring special materials, we invite your inquiries, and will always prepare layouts, work sheets, and all necessary information. Furnishing material for wall hanging closet jobs is not new to us, as our engineers have studied this phase of plumbing for years, and the results of their study and experimenting is at the service of our customers without cost.



K-150M

K-150M—Blake Manifold Vent Connector

Where our double series K-150 are used, we can furnish manifold vent connector as shown herein. Spigot ends are 2-inch and hub is 2-inch, making it a very practical fitting to use.

LIST PRICES

Each $4.00

IMPORTANT INFORMATION FOR CONNECTING BATTERIES

Our experience has shown us that the most practical way to connect a long battery of TY fittings to stack is by the use of what is known as a hub connector similar to our K-1694, shown elsewhere in catalog.

Information to Use in Ordering Carrier Chairs

On the pages following wall hung closet fittings, we show the most complete line of carrier chairs made for wall hung closets made by any one manufacturer. You will find carriers shown in detail covering any type of a wall hung closet job. In ordering carriers, great care should be taken to furnish us the thickness of the finished wall where carrier is used. This information makes it possible to furnish the proper length closet connections and stud bolts.

All closet connections are threaded for an adjustment of 2 inches either way, and the maximum length of thread that can be machined on closet connections is 4½ inches long. We machine carriers to fit any make of bowl, and all orders should give plate number and manufacturer's name. By following these simple instructions a great many errors can be avoided.

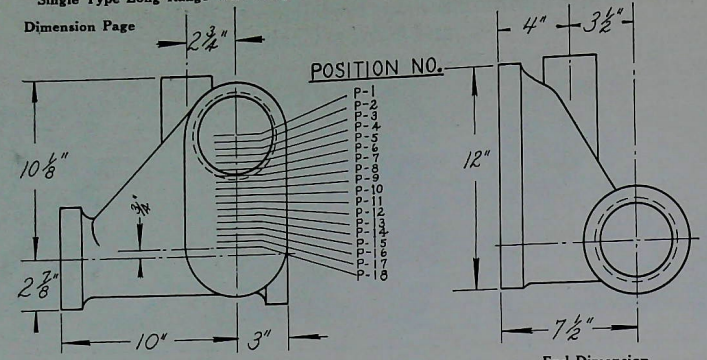
Particular care should be taken also in checking up to determine just what kind of roughing is to be used with carrier, either screw pipe, soil pipe, or lead pipe. While the large majority of carriers throughout the country are for screw pipe, we find a great many localities where code requires soil pipe or lead pipe. The latter applies mostly to west coast and the southwest. Regardless of what your problem is, we can service your job if you will give us the proper information.

Hy-Tech Products

K-150S, K-150SP and K-150ST—Blake Single TY Fittings

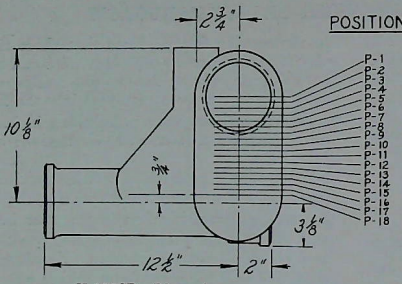
Single Type Long Range Wall Hung Closet Fittings for either Blowout or Syphon Jet Bowls

Dimension Page

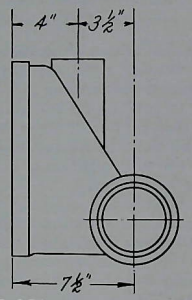


K-150S—Dimension

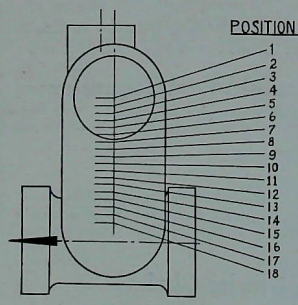
End Dimension



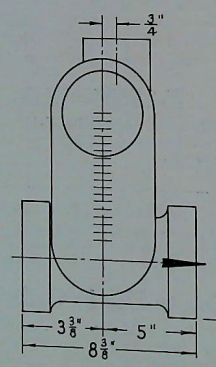
K-150SP—Dimension



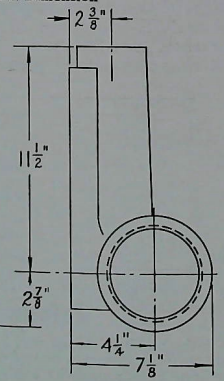
End Dimension



K-150ST—Left Hand Short Turn



Right Hand



End Dimension

Distance From Center of Tapping to Center of Waste Line		
P- 1-7¼-in.	P-10-3¾-in.	
P- 2-6¾-in.	P-11-3⅜-in.	
P- 3-6⅜-in.	P-12-3 -in.	
P- 4-6 -in.	P-13-2⅝-in.	
P- 5-5⅝-in.	P-14-2¼-in.	
P- 6-5¼-in.	P-15-1⅞-in.	
P- 7-4⅞-in.	P-16-1½-in.	
P- 8-4½-in.	P-17-1⅛-in.	
P- 9-4⅛-in.	P-18- ¾-in.	

Standard spacing of ⅜-inch between closets at 36-inch centers permits a fall in waste line of ⅛-inch per foot. If more fall is desired, it is recommended to specify same when ordering, in which case spacings are placed at ⅝-inch, and then only nine closets can be used in one battery. Five-inch fittings same dimension as shown for 4-inch, except that allowance is to be made for 5-inch pipe in lieu of 4-inch.

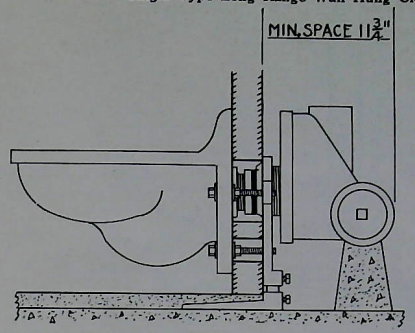
LIST PRICES

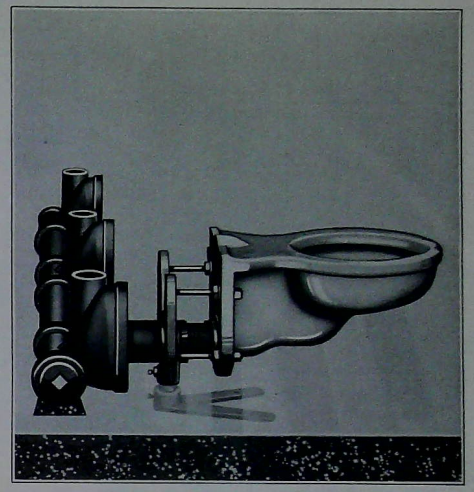
	Black	Galv.	Weight
K-150S or K-150SP—4-inch size	$14.00	$19.00	57 lbs.
K-150S or K-150SP—5-inch size	20.00	28.00	62 lbs.
K-150ST made in 4-inch size only	12.00	15.00	37 lbs.

IMPORTANT—Note all single type TY fittings are furnished in right and left hand flow to stack, determined by standing in front of fitting, facing same.

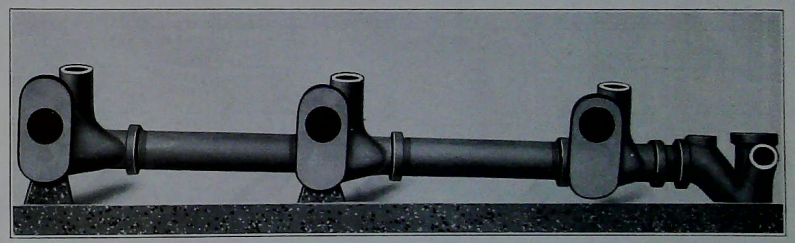
K-150S and K-150SP—Blake Single TY Fittings

Single Type Long Range Wall Hung Closet Fittings for either Blowout or Syphon Jet Bowls

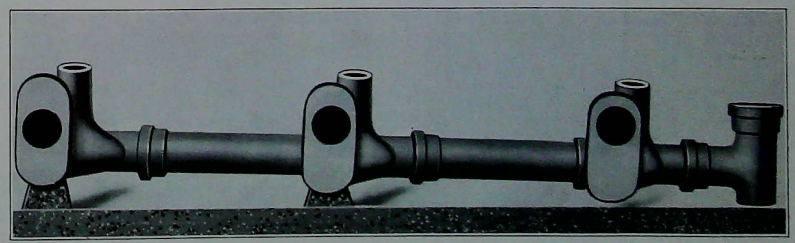




These illustrations show in a practical manner the installation of our K-150S (meaning screw pipe) long range TY fittings. Note dimension showing minimum space required where separate carriers are used. This is our new long range design with a much longer face, thus allowing double the number of closets in a row over our K-151 series. Note dimension drawing on opposite page showing 18 tapping positions on ⅜-inch variations of centers. This fitting is made in both 4-inch and 5-inch waste line size in either screw pipe or soil pipe. Like all Blake TY fittings, we can furnish with carrier arms cast integral with closet connection direct into face of fitting where a limited utility space is necessary. This fitting is made for extremely low openings, making it suitable for either syphon jet wall hung bowls with low openings or blowout wall hung bowls with higher openings. The desired roughing centers are obtained by merely raising or lowering the horizontal waste line.



The above is a side view of K-150S (meaning single for screw pipe) long range single TY fittings. This series is adaptable for batteries up to 18 closets in a row, and like all Blake TYfittings, they are adaptable for either syphon jet wall hung bowls having extremely low openings or blowout wall hung bowls having higher openings Proper roughing centers is accomplished by merely raising or lowering the horizontal waste lines.



The above is a side view of a battery of K-150SP (meaning soil pipe single) long range TY fittings showing method of graduated openings. List prices and complete dimension drawings are shown for this series on opposite page.

IMPORTANT—Note all single type TY fittings are furnished in right and left hand flow to stack, determined by standing in front of fittings, facing same.

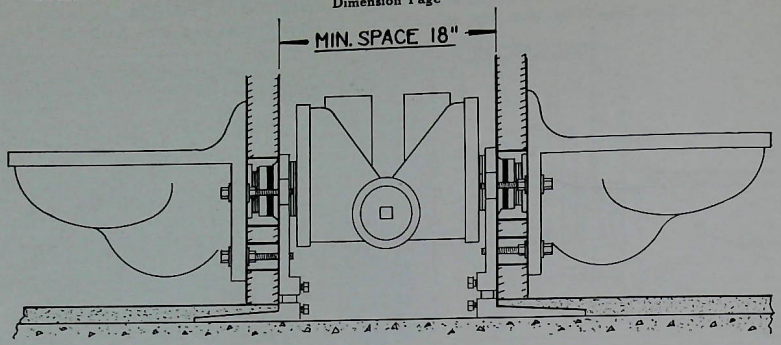
ALL BLAKE TY FITTINGS ARE TESTED UNDER WATER PRESSURE FOR DEFECTS BEFORE SHIPPING

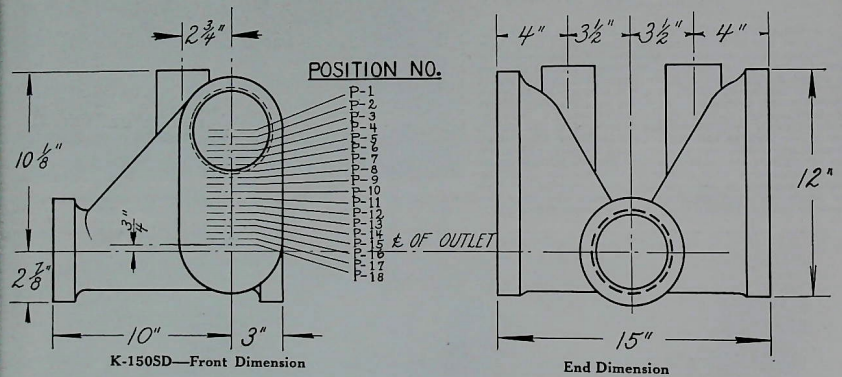
Hy-Tech Products

K-150SD and K-150SPD—Blake Double TY Fittings

Double Back to Back Long Range Wall Hung Closet Fittings for either Blowout or Syphon Jet Bowls

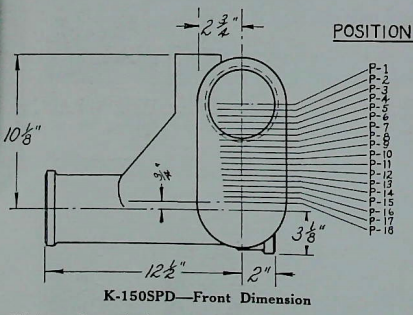
Dimension Page



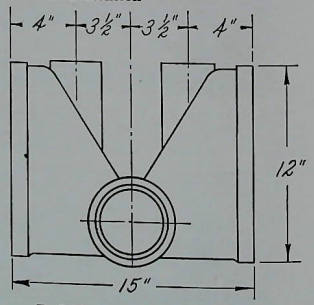


K-150SD—Front Dimension

End Dimension



K-150SPD—Front Dimension



End Dimension

Distance From Center of Tapping to Center of Waste Line	
P- 1-7¼-in.	P-10-3¾-in.
P- 2-6¾-in.	P-11-3⅜-in.
P- 3-6⅜-in.	P-12-3 -in.
P- 4-6 -in.	P-13-2⅝-in.
P- 5-5⅝-in.	P-14-2¼-in.
P- 6-5¼-in.	P-15-1⅞-in.
P- 7-4⅞-in.	P-16-1½-in.
P- 8-4½-in.	P-17-1⅛-in.
P- 9-4⅛-in.	P-18- ¾-in.

Standard spacing of ⅜-inch between closets at 36-inch centers permits a fall in waste line of ⅛-inch per foot. If more fall is desired, it is recommended to specify same when ordering, in which case spacings are placed at ¾-inch, and then only nine closets can be used in one battery. Five-inch fittings same dimension as shown for 4-inch, except that allowance is to be made for 5-inch pipe in lieu of 4-inch.

LIST PRICES

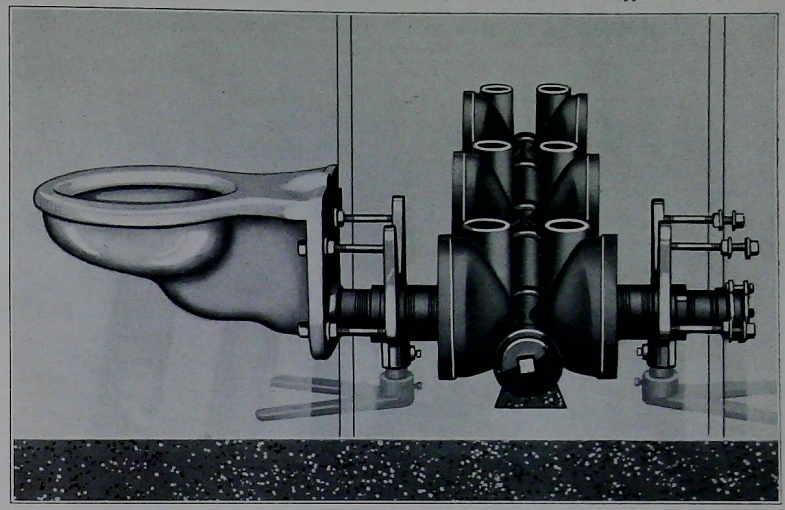
	Black	Galv.	Weight
4-inch—K-150SD or K-150SPD	$26.00	$34.00	88 lbs.
5-inch—K-150SD or K-150SPD	30.00	38.00	88 lbs.

NOTE—All double TY fittings are reversible either right or left.

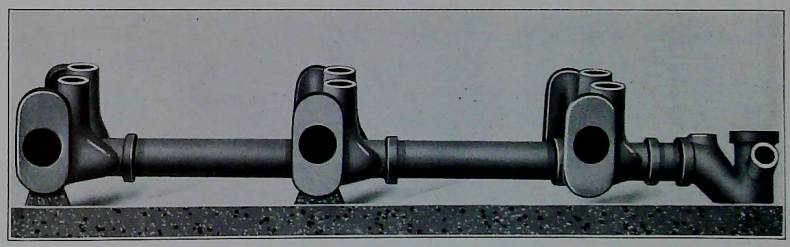
All Blake TY fittings are tested under water pressure for defects before shipping.

K-150SD and K-150SPD—Blake Double TY Fittings

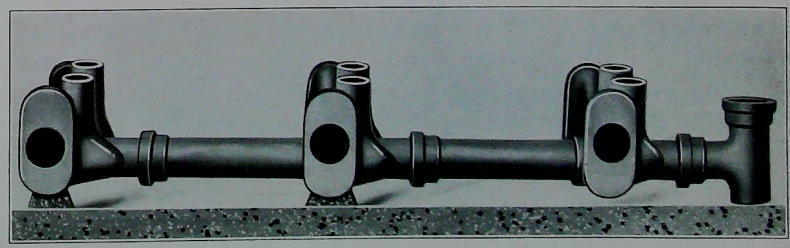
Double Back to Back Long Range Wall Hung Closet Fittings for Either Blowout or Syphon Jet Bowls



The above illustrates in a practical manner the installation of our K-150SD double TY fitting. This is a new long range design with a much longer face, allowing for double the number of closets in a row over our K-151 series. Note dimension drawing on opposite page showing 18 tapping positions on 5¾-in. variations of centers. This means that with the proper layout 18 closets can be used in each row. This fitting is made in both 4-inch and 5-inch waste line size in either screw pipe or soil pipe. Like all Blake TY fittings, we can furnish with carrier arms integral with closet connection direct into face of fitting where a limited utility space is necessary. This fitting is made with extremely low openings, making it suitable for either syphon jet wall hung bowls with low openings or blowout wall hung bowls with higher openings. The desired roughing centers are obtained by merely raising or lowering the flow line.



The above is a side view of K-150SD (meaning double for screw pipe) double back to back long range TY fittings. This series is adaptable for batteries up to 18 in a row, and like all Blake TY fittings, they are adaptable for either syphon jet wall hung bowls having extremely low openings, or blowout wall hung bowls having higher openings. Roughing proper centers is accomplished by merely raising or lowering the horizontal waste lines.



The above is a side view of a battery of K-150SPD (meaning double for soil pipe) TY fittings for soil pipe showing method of graduated openings. This is the same as above, except that they are made up for soil pipe. List prices and complete dimension details are shown for this series on opposite page.

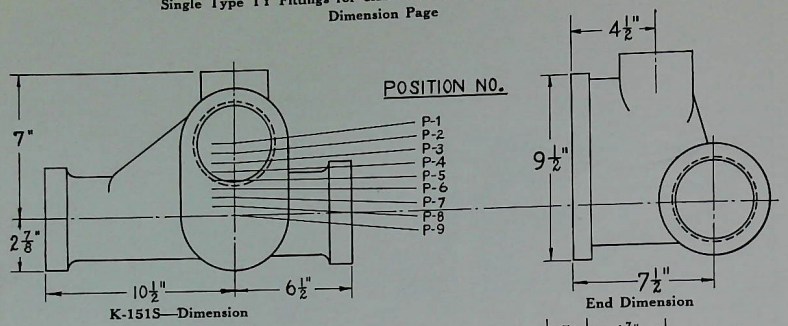
ALL BLAKE TY FITTINGS ARE TESTED UNDER WATER PRESSURE FOR DEFECTS BEFORE SHIPPING

Hy-Tech Products

K-151S, K-151SP and K-151ST—Blake Single Type TY Fittings

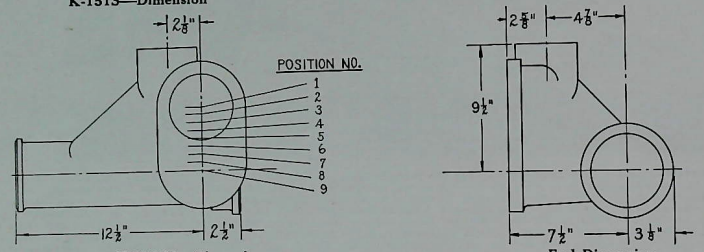
Single Type TY Fittings for either Blowout or Syphon Jet Bowl

Dimension Page



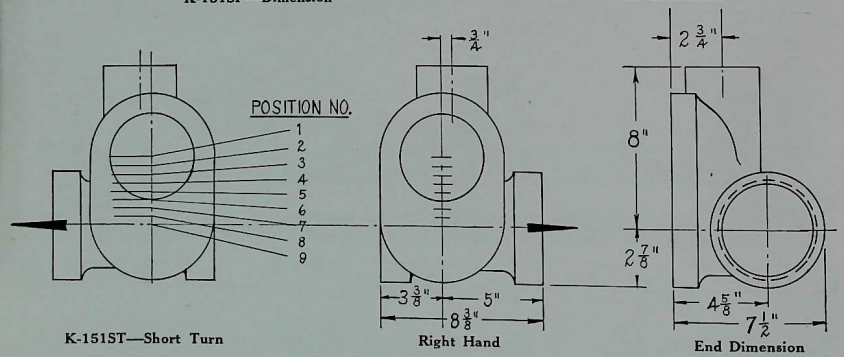
K-151S—Dimension

End Dimension



K-151SP—Dimension

End Dimension



K-151ST—Short Turn

Right Hand

End Dimension

Distance from Center of Tapping to Center of Waste Line.

No. 1	3 -in.
No. 2	2⅝-in.
No. 3	2¼-in.
No. 4	1⅞-in.
No. 5	1½-in.
No. 6	1⅛-in.
No. 7	¾-in.
No. 8	⅜-in.
No. 9	On Center

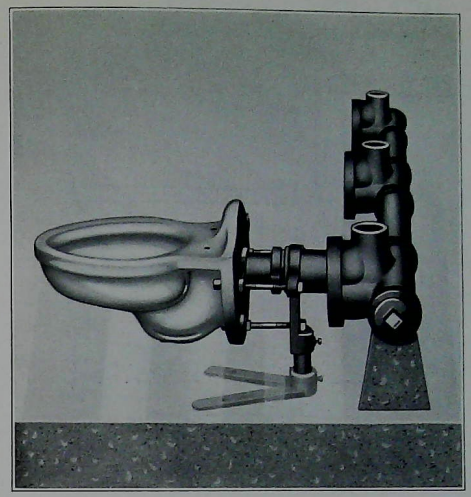
K-151 series are the same fittings as our K-150, except that they only have nine positions in lieu of the 18 furnished with K-150 series. This means that we furnish when batteries are eight closets or less in a row, unless K-150 is specifically ordered. Standard spacings of ⅜-inch between closets at 36-inch centers permit a fall in the waste line of ⅛-inch to the foot. If more fall is desired, it is recommended to specify same when ordering, in which case spacings are placed at ¾-inch, and then only four closets can be used in a single row. K-151 series is made in 4-inch size only, as when 5-inch size is wanted we furnish our K-150 series. All short turn fittings for end of line are made in 4-inch size for screw pipe only.

LIST PRICES

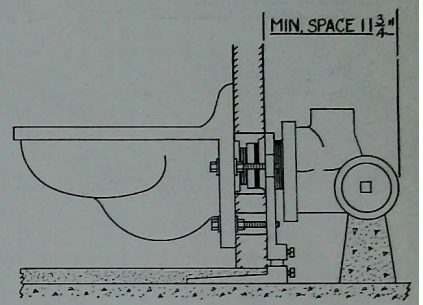
	Black	Galv.	Weight
K-151S or K-151SP	$14.00	$19.00	37 lbs.
K-151ST—Short Turn	10.00	13.00	26 lbs.

IMPORTANT—Note that all single type TY fittings are furnished in right and left hand flow to stack. Determined by standing in front of fitting, facing same.

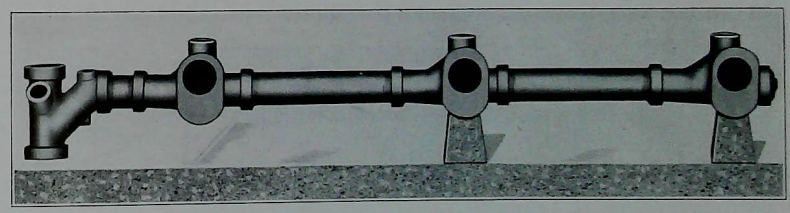
K-151S and K-151SP—Blake Single TY Fittings



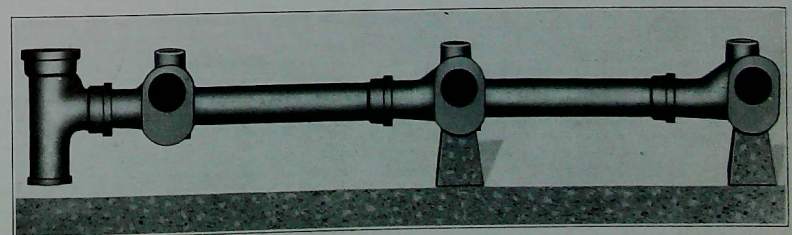
Line drawing is intended to show minimum space required. Other measurements are not shown, due to fact that these will vary as to type and construction of closet bowl. Any make or type bowl will adjust itself to this flexible fitting. Heights are obtained by raising or lowering the waste line.



The above illustrates in a practical way the installation of our K-151S single TY fittings. This, like all of our K-151 series fittings, is the same as the K-150 series except that the face is shorter, making it adaptable for batteries of nine wall hung closets or under. Where longer batteries are wanted, we refer you to our K-150 series, shown elsewhere in catalogue. This fitting is made for both soil pipe and screw pipe, and like all Blake TY fittings, is adaptable for both blowout and syphon jet wall hanging closet bowls. All Blake TY fittings are adaptable for use with any Blake Carrier support. Illustration shows our K-90AF. We can also furnish these fittings with carrier arms cast integral where space is limited. Consult our engineering department on any kind of a wall hung closet job. This service, with drawings and work sheets, is free for the asking.



The above is a side view of K-151S (meaning screw pipe) single fitting for screw pipe, showing method of graduating openings for a battery of wall hung closet bowls. This series is adaptable for batteries up to nine closets in a row, and on jobs requiring longer batteries we refer you to our K-150 series, shown elsewhere, which permit eighteen closets in a single battery, either single or double back to back, soil pipe or screw pipe. Opposite page shows detail dimension drawings. All TY fittings adaptable for either blowout wall hung bowls with high openings or syphon jet with extremely low openings. This is accomplished by merely raising or lowering the waste line.



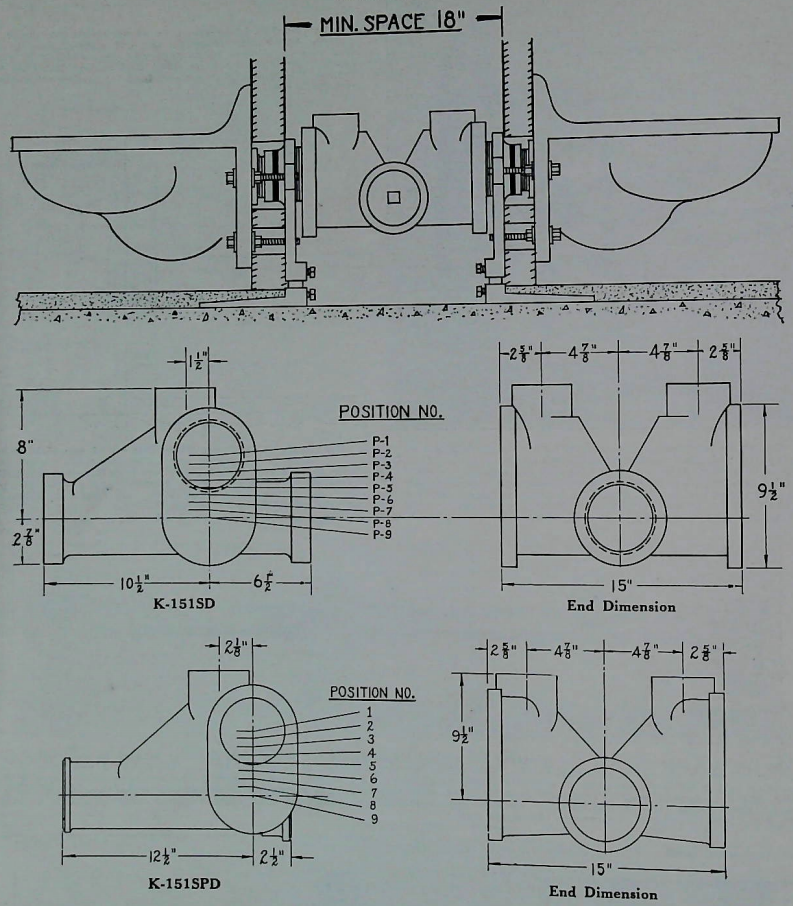
The above is a side view of a battery of K-151SP (meaning soil pipe) single TY fittings for soil pipe, showing methods of graduated openings. This is the same as above except for soil pipe and list price, and dimension drawings, which are shown on opposite page.

IMPORTANT!—Note all single type TY fittings are furnished in right and left hand flow to stack, determined by standing in front of fittings, facing same.

K-151SD and K-151SPD—Blake Double TY Fittings

Double Back to Back Wall Hung Closet Fittings for either Blowout or Syphon Jet Bowls

Dimension Page



Distance from Center of Tapping to Center of Waste Line.	
No. 1	3 -in.
No. 2	2⅝-in.
No. 3	2¼-in.
No. 4	1⅞-in.
No. 5	1½-in.
No. 6	1⅛-in.
No. 7	¾-in.
No. 8	⅜-in.
No. 9	On Center

K-151 series are the same fittings as our K-150, except that they only have nine positions in lieu of the 18 furnished with K-150 series. This means that we furnish when batteries are eight closets or less in a row, unless K-150 is specifically ordered. Standard spacings of ⅜-inch between closets at 36-inch centers permits a fall in the waste line of ⅛-inch to the foot. If more fall is desired, it is recommend to specify same when ordering, in which case spacings are placed at ¾-inch, and then only four closets can be used in a single row. K-151 series is made in 4-inch size only, as when 5-inch size is wanted we furnish our K-150 series. All short turn fittings for end of line are made in 4-inch size for screw pipe only.

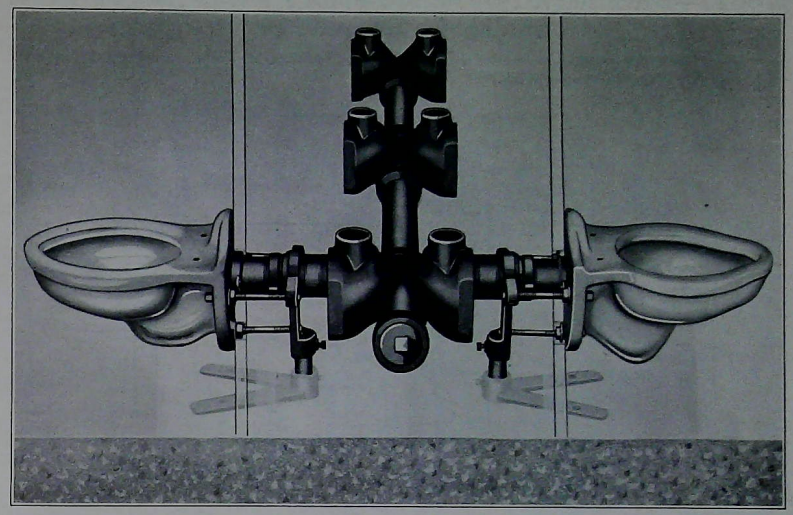
LIST PRICES

	Black	Galv.	Weight
K-151SD or K-151SPD	$26.00	$34.00	84 lbs.

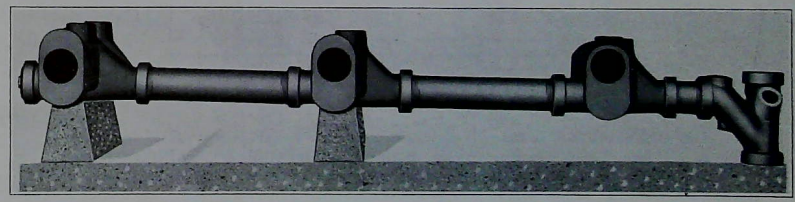
NOTE—All double TY fittings are reversible either right or left.

DOUBLE BACK TO BACK WALL HUNG CLOSET FITTINGS FOR EITHER BLOWOUT OR SYPHON JET BOWLS

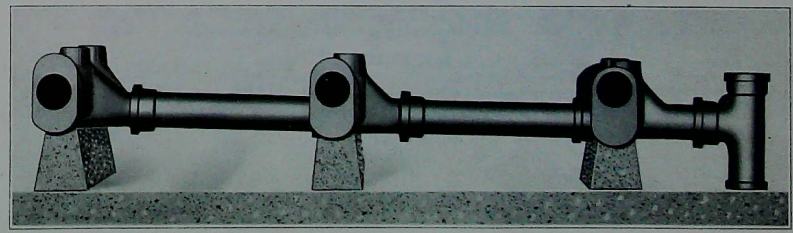
K-151SD and K-151SPD—Blake Double TY Fittings



The above illustrates in a practical manner the installations of our K-151SD double TY fitting. The construction is the same as our K-150, with the exception that the face is shorter, making it particularly adaptable for installations having batteries of closets up to nine in a row. Being made in both screw pipe and soil pipe makes its use very practical where wall hung closets back to back are required. Take notice that, like all of our new type fittings, they can be specified for either Blowout or Syphon Jet Bowls. Detailed line drawings furnish all information as to amount of utility space required for their installation. We also call your attention to the fact that we can furnish any of our fittings with carrier arms cast integral with closet connection direct into face of fitting, for use where limited space is necessary. Regardless of what your problem is on wall hung installations. Blake can furnish it, and in addition our engineering department, manned by expert draftsmen, is at your disposal at all times without cost.



The above is a side view of K-151SD (meaning screw pipe double). Double fitting for screw pipe, showing method of graduating openings for a battery of wall hung closet bowls. This series is adaptable for batteries up to nine closets in a row, and on jobs requiring longer batteries we refer you to our K-150 series shown elsewhere, which permit eighteen closets in a single battery, either single or double back to back, soil pipe or screw pipe. Opposite page shows detail dimension drawings. All TY fittings adaptable for either blowout wall hung bowls with high openings or syphon jet with extremely low openings. This is accomplished by merely raising or lowering the waste line.



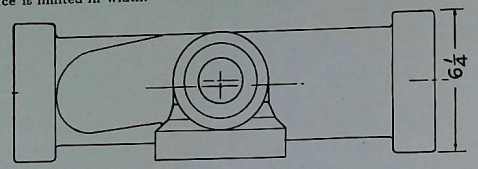
The above is a side view of a battery of K-151SPD (meaning soil pipe double). Double TY fittings for soil pipe, showing methods of graduated openings. This is the same as above except for soil pipe and list price and dimension drawings, which are shown on opposite page.

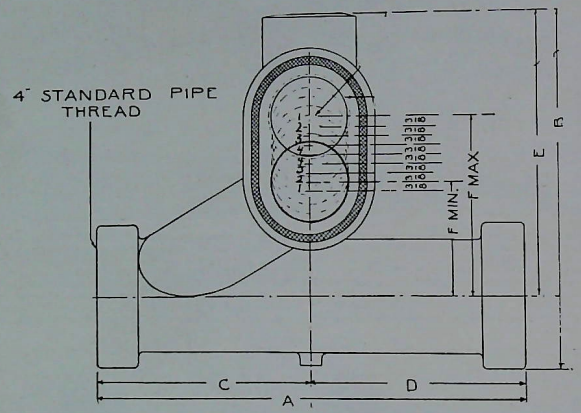
IMPORTANT!—Note all single type TY fittings are furnished in right and left hand flow to stack, determined by standing in front of fittings, facing same.

Hy-Tech Products

K-151C—Blake Single Type Narrow Place TY Wall Hanging Closet Fittings for Screwed Pipe

This fitting is made for screwed pipe, and is very practical for installing where the utility space is limited in width.





Like all Blake TY's, this fitting is very flexible, for use in any desired space. Is made with solid faced 4-inch iron pipe tapping, which makes it adaptable for any Blake carrier chair. Face is arranged for eight positions in the line on 5/16-inch centers. Being made in both single and double back to back makes this a very economical fitting to use. While designed for wall hung bowls having a minimum roughing center of 7 inches from floor slab, extra low opening syphon jet bowls can be used by lowering floor in utility space slightly. All Blake fittings and carriers are adaptable for any manufacturer's bowl.

DIMENSIONS

Size	A	B	C	D	E	F Min.	F Max.	Weight
4-in.	17	14⅛	10½	6½	12	4 7/16	7 7/16	40 lbs.

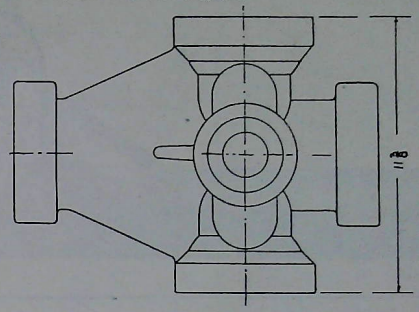
LIST PRICES

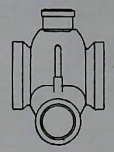
	Black	Galv.
K-151C Single	$14.00	$19.00

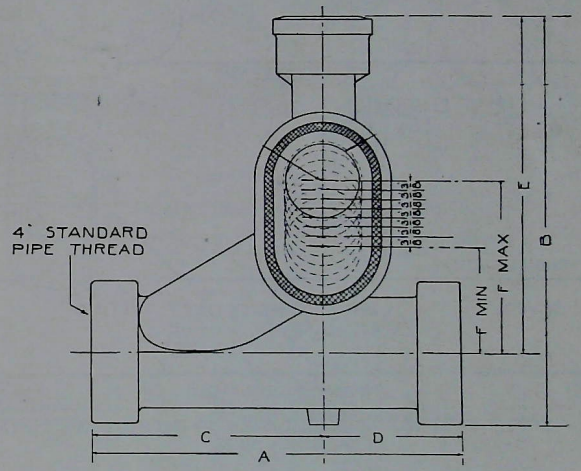
NOTE—All Blake single fittings are made in both right and left hand flow. Determined by standing in front of fitting.

K-152C—Blake Double Type Narrow Place TY Wall Hanging Closet Fittings for Screwed Pipe

This fitting is made for screwed pipe and is very practical for installations where wall hung closets back to back are required in a narrow space.







Like all Blake TY's, this fitting is very flexible, for use in any desired space. Is made with solid faced 4-inch iron pipe tapping on each side, which makes it adaptable for any Blake carrier chair. Face is arranged for eight positions in the line on 5/16-inch centers. This fitting being the double back to back type makes it possible to install two rows of closets in a very narrow utility chamber. While designed for wall hung bowls having a minimum roughing center of 7 inches from floor slab, extra low opening syphon jet bowls can be used by lowering floors in utility space slightly. All Blake fittings and carriers are adaptable for any manufacturer's bowl.

DIMENSIONS

Size	A	B	C	D	E	F Min.	F Max.	Weight
4-in.	15	16¾	9½	5½	13¾	4 7/16	7 7/16	60 lbs.

LIST PRICES FOR K-152C DOUBLE

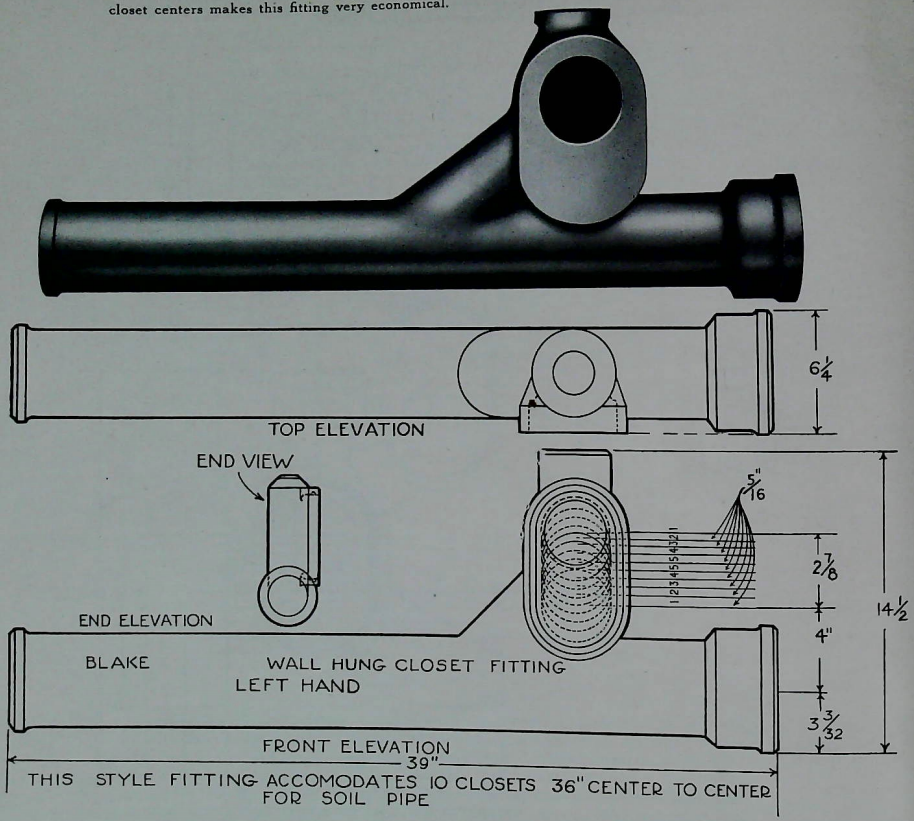
	Black	Galvanized
List price K-152C double	$26.00	$34.00

NOTE—All double fittings are adaptable for both right and left hand flow.

Hy-Tech Products

K-151B—Blake 4x36 Narrow Place TY Wall Hanging Closet Fittings

This fitting is made for soil pipe and is very practical for installations where the utility space is limited in width. Being made in one piece single and double for 30 or 36-inch closet centers makes this fitting very economical.



Like all Blake TY's, this fitting is very flexible, for use in any desired space. Is made with solid faced 4-inch iron pipe tapping, and any Blake carrier chair can be used with it. Face is arranged for eight different positions in the line on 5/16-inch centers. Being made in both single and double back to back with 2-inch vent hub makes this a very economical fitting to use. While designed for wall hung bowls having a minimum roughing center 7 inches from floor slab, extra low opening syphon jet bowls can be used by lowering floor in utility space slightly. All Blake fittings are adaptable for any manufacturer's bowl.

LIST PRICES

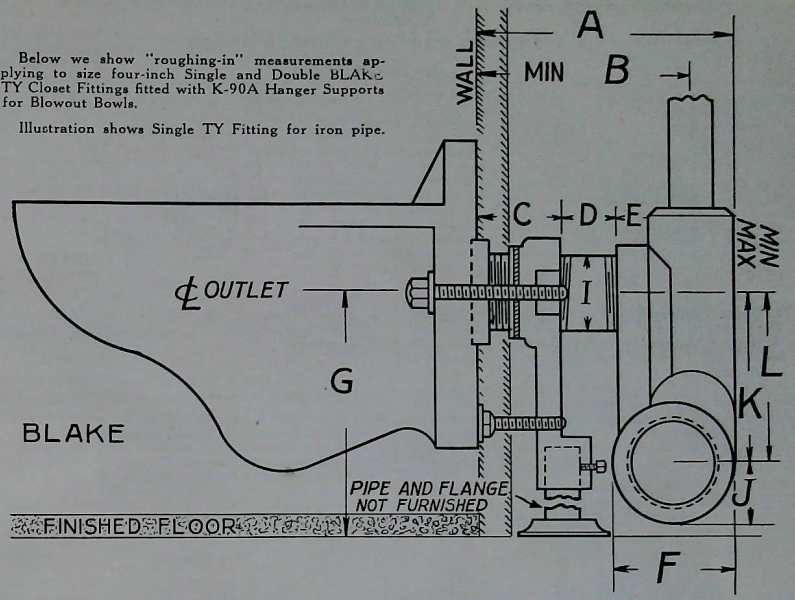
	Black	Galv.	Weight
K-151B Single fitting	$20.00	$25.00	60 lbs.
K-152B Double fitting	28.00	38.00	88 lbs.

NOTE—All Blake single fittings are made in both right and left hand flow. Determined by standing in front of fitting.

Made in 4-inch size only.

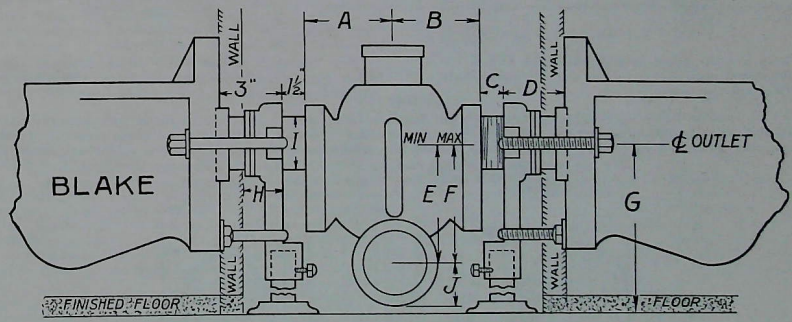
Below we show "roughing-in" measurements applying to size four-inch Single and Double BLAKE TY Closet Fittings fitted with K-90A Hanger Supports for Blowout Bowls.

Illustration shows Single TY Fitting for iron pipe.



	A	B	C	D	E	F	G	H	I	J	K	L
4" Waste Line	10¾"	7⅝"	3"	1½"	1¾"	6¼"	10½"	15"	3 or 4"	2⅝"	7 3/16"	4 1/16"

These Blake TY fittings are illustrated on pages 16 to 18. K-90A Hanger Support is shown on page 36. All fittings can be furnished for soil, Durham or lead.



The above illustration shows our BLAKE TY Type Double Fitting connected to two K-90A Hanger Supports for Blowout Bowls.

Below are the "roughing-in" measurements for size 4-inch fittings.

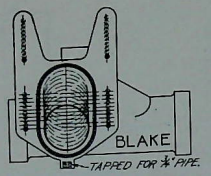
	A	B	C	D	E	F	G	H	I	J
4" Waste Line	5¾"	5¾"	1½"	3"	4 7/16"	7 3/16"	11"	2"	3 or 4"	2⅝"

All Closet Fittings tapped for iron pipe are straight threads—not pitched.

This page illustrates and dimensions of Blake Narrow Type TY fittings K-151C, K-152C, K-151B and K-152B.

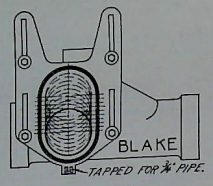
Hy-Tech Products

BLAKE
TY Type Wall Hung Closet Fittings
With Carrier Arms Cast Integral



K-154

All TY fittings can be made up as illustrated on this page, with carrier arms cast intregal. By so doing measurements of width of fitting are the same as shown on preceding dimension pages. Any one can be arranged for any manufacturer's bowl, regardless of type.



K-154A

The above regular Blake TY type fittings for Syphon Jet Bowls are arranged with Carrier arms to permit the fittings to be installed in smaller utility space and to provide full range of bolt tappings to correspond to closet outlets.

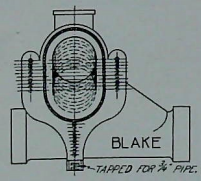
At bottom of Carrier arms a set screw socket provides support to floor if desired, by adding an iron pipe nipple and floor flange (we do not furnish this nipple or floor flange).

In K-154 type, bolt holes are tapped to order in accordance with specification or number of closets in a row.

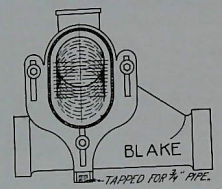
In K-154A this is not necessary, as slot provides the adjustments, but in this pattern the bolt spread horizontally cannot be changed from the somewhat regular 9-inch center to center distance.

List Prices

Fitting and Carrier Arms complete with stud bolts, N. P. nuts and washers, closet connections, closet gasket, etc.	$20.00
	26.00
Galvanized, complete	60 lbs.
Approximate weight, complete with accessories	



K-154B

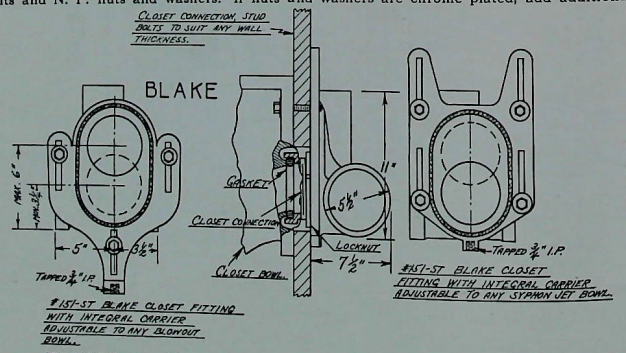


K-154C

These are the same fittings as K-154 and K-154A, but arranged with Carrier arms for Blowout Bowls. Prices are the same.

For "Extras," Repair Parts or changes for carrier chair equipment furnished with these fittings when so ordered, see Repair Parts Price List, page 27.

The illustration below is simply to show that our small K-151ST fitting can alco be made with Integral Carrier Arms, and when furnished in this way, add $6.00 list to list price of fitting. Carrier arms include closet connection, gasket, stud bolts and N. P. nuts and washers. If nuts and washers are chrome plated, add additional list of 60c.



K-151STC—For Blowout Bowl K-151STB—For Syphon Jet Bowl

Blake Universal Drainage Fittings For Wall Hung Closets
(PATENTED)

The "Universal" Drainage Fitting has been designed to meet the demand for a high-grade fitting that is absolutely sanitary, at a minimum cost, and where the labor charges are correspondingly small.

Some of the numerous advantages are as follows:

Ease of Installation—there being merely one small caulking joint for the adjustment.

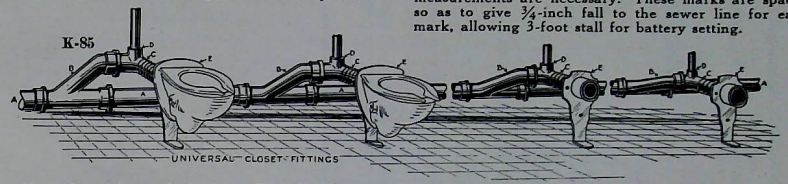
No fouling chamber.

The elimination of leaky gaskets and the fact that there are no long rods in the utility chamber which are connected to the fitting and which carry the weight of the bowl.

The "Universal" Closet Fitting consists of only three parts. A special built "Y," a Vented Bend and a Carrier Chair, which is designed for any make or type of bowl.

The "Universal" fittings are so constructed that an extra long throw is given the liquid, thus insuring positive drainage of the fitting. All single fittings have an adjustment of 9 inches, the double fittings for the Syphon Jet Bowls also have a 9-inch adjustment, while the double fitting for the blow-out bowls has an adjustment of 4½ inches.

The edge of the "Y" branch of this fitting is marked for the necessary variation in setting the closet so an even grade is assured to the sewer line, and no other measurements are necessary. These marks are spaced so as to give ¾-inch fall to the sewer line for each mark, allowing 3-foot stall for battery setting.



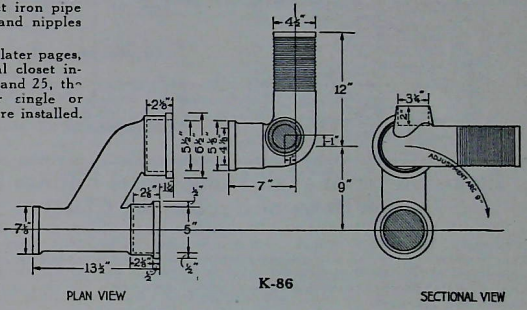
K-85 shows the method of installing the Universal Closet Fitting in batteries (this applies to single and double). Attention is called to the venting of this fitting, as it relieves the highest point of the fitting, no matter what the position. Cut shows left hand set-up. Can be furnished for either right or left. While cut shows soil pipe connection, the same fittings can be furnished in Durham or for lead connection.

In Durham style we furnish a side outlet iron pipe elbow instead of the long soil pipe bend, and nipples will make up the difference.

For sample layouts of lines of closets see later pages, in which we illustrate six typical horizontal closet installations. You will also find, on pages 24 and 25, the minimum space required in using either single or double fittings and an idea as to how they are installed. Another diagram on page 22, shows the layout for syphon jet closets.

These fittings can also be furnished with 5-inch waste line, but this does not change any measurements, except that one-half inch more depth is needed, due to additional diameter of bottom waste line.

K-86 shows construction and roughing-in measurements for single, right, left or vertical fittings for blowout or syphon jet bowls. While illustration shows soil pipe connection, we can furnish these fittings for Durham work.



K-86

LIST PRICES

K-86—Complete single units, either right, left or vertical, including carrier chair, with gasket, stud bolts, nickel-plated nuts and washers, and test caps—for soil pipe	$26.00	72 lbs.
If fittings are wanted with 5-inch run for waste line—soil pipe, add to regular price	3.00	
K-87—Complete single units, either right, left or vertical, including carrier chair, with gasket, stud bolts, nickel-plated nuts and washers—Units complete for Durham	25.00	57 lbs.
If fittings are wanted with 5-inch run for waste line—Durham, add to regular price	4.00	
If chromium plated nuts and washers are wanted, add	.60	
If white metal nuts and washers are wanted, add	1.50	
If fittings, except chair, are to be galvanized, add for either 4-inch or 5-inch	5.00	
If fittings and chair are to be galvanized, add for either 4-inch or 5-inch	8.00	
For closet connections longer than 6", add per inch or fraction	.20	

Above prices are for either blowout or syphon jet closets.

For Parts of Units, see List Prices on page 27. Carrier Chairs see pages 33 to 45.

NOTE.—While we show a long variation of wall hung closet fittings in the following pages, we want to impress you with the fact that we are prepared to make and furnish special fittings to take care of any installation or overcome any obstacles encountered in this class of work.

We are pioneers in wall hung closet fittings and have equipped many of the largest and finest buildings in the country, and by reason of our experience and facilities, no installation of any kind is new to us.

Let us have the plans, or any rough sketch, showing closet centers, how many in a row, single or double—syphon jet or blowout bowl—the maker's name of bowl or template of back, width of utility space and thickness of wall, and we will make the layout with our recommendations and offer our quotations.

Our Engineering Department will service you—our Production Department will service you, and all the little details so necessary for a wall hung closet job will be nicely taken care of.

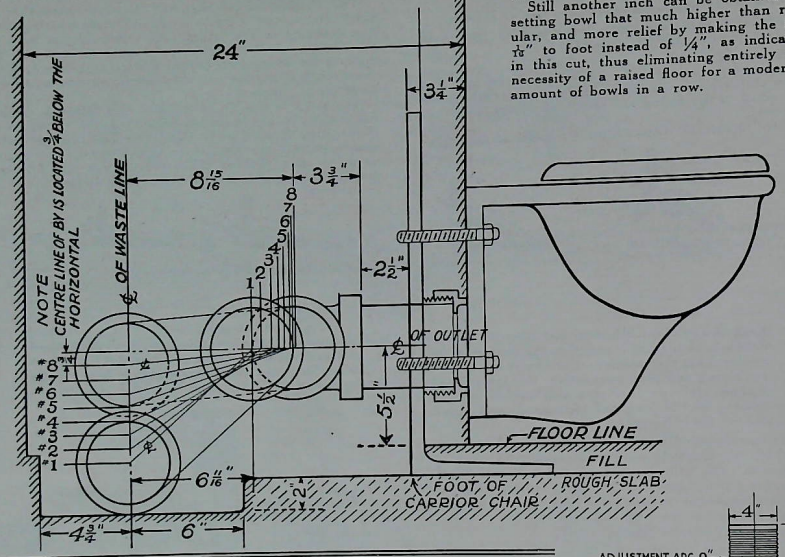
All Closet fittings tapped for iron pipe are straight thread—not pitched.

Hy-Tech Products

Diagram of proposed construction of single row of closets where our Universal Fittings are used with syphon jet bowls. The syphon jet bowl, on account of its low outlet, presents a different problem than the blowout bowl, which has higher outlet, and only two courses can be followed—either the limitation of the number of bowls will be small or a raised floor must be provided in order to get the proper fall in waste line.

Some relief can be had if soil stack can be placed in the middle, or thereabouts, so as to drain from two points, and another one-half inch can be gained by chopping out the concrete so the bead of the fittings will set the fitting that much lower.

Still another inch can be obtained by setting bowl that much higher than regular, and more relief by making the fall $\frac{1}{16}$" to foot instead of $\frac{1}{4}$", as indicated in this cut, thus eliminating entirely the necessity of a raised floor for a moderate amount of bowls in a row.



Blake Universal Wall Hung Closet Fittings for Double Rows of Syphon Jet Closets

While the single syphon jet row is somewhat of a problem, the double row is more so. However, if enough room will be given in the utility space the fittings illustrated herewith will make up a good substantial and sanitary job. The adjustment on each is 9 inches, the same as our single fittings, and the illustration of typical installation shown on page 26 will give you a fair idea of how the double sets are used.

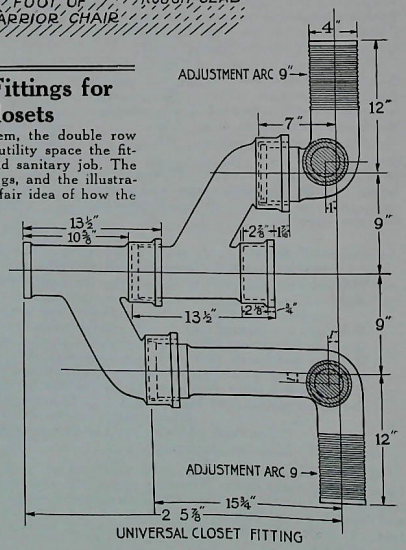
These fittings can also be furnished with 5-inch waste line, but this does not change any measurements, except that one-half inch more depth is needed, due to additional diameter of bottom waste run.

LIST PRICES

	Price	Wt.
K-94—Complete double unit, including two carrier chairs, with studs, gasket, and nickel-plated nuts and washers, also test caps—soil pipe	$50.00	146
Complete unit, including two carrier chairs, with studs, gasket, and nickel-plated nuts and washers, also test caps—Durham	50.00	126
For galvanizing fittings, but not the chairs, add	10.00	
For galvanizing fittings and the chairs, add	16.00	
If fittings are wanted with 5-inch run for waste line—soil pipe, add to regular price	6.00	
If fittings are wanted with 5" run for waste line—Durham, add to regular price	8.00	
For galvanizing either of above 5" runs, add to 4" galvanized price	2.00	
Chromium nuts and washers, add	.60	
White metal nuts and washers, add	1.50	
For closet connections longer than 6", add per inch or fraction	.20	

All fittings tapped for iron pipe are straight thread—not pitched.

For Parts of Units, see List Prices on page 27. For Carrier Chairs see pages 33 to 45.

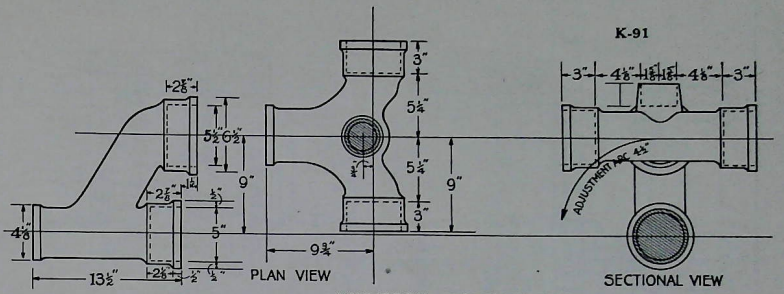


UNIVERSAL CLOSET FITTING

DOUBLE FITTINGS FOR SYPHON JET BOWLS

K-94

Blake Universal Wall Hung Closet Fittings for Double Rows of Blowout Bowls



UNIVERSAL CLOSET FITTING

DOUBLE TYPE FOR BLOW OUT BOWLS

K-91 shows the Universal Double Closet Fitting as adapted to blowout type bowls. Special attention is called to the fact that one vent relieves this fitting, but two vents can be had if desired. This fitting is also adapted for the double type vertical installations. Its construction is such that it is impossible to blow across. Adjustment, 4½ inches. The illustration shows soil pipe connection, but the same fittings can be furnished tapped for Durham work. These fittings can also be furnished with 5-inch waste line, but this does not change any measurements, except that one-half inch more depth is needed, due to additional diameter of bottom waste run.

LIST PRICES

	Price	Wt.
K-91—Per Unit, including two carrier chairs, complete with studs, nickel-plated nuts and washers, and gaskets, also test caps—soil pipe	$40.00	110
If same unit, except chairs, are to be galvanized, add	6.50	
If same unit and chairs are to be galvanized, add	12.50	
K-92—Per Unit, including two complete chairs as above—Durham	40.00	85
If to be galvanized, except chairs, add	6.50	
If to be galvanized, including the galvanizing of chairs, add	12.50	
Chromium nuts and washers, add	.60	
White Metal nuts and washers, add	1.50	
For Closet Connections longer than 6-inch add per inch or fraction	.20	
If Fittings are wanted with 5-inch run for waste line—soil pipe, add to regular price	3.00	
If Fittings are wanted with 5-inch run for waste line—Durham, add to regular price	4.00	

For Parts of Units, see List Prices on page 27.

For Carrier Chairs see page 33 to 45.

The following table of measurements is given for your convenience in determining the number of closets that can be accommodated at various center to center settings. This schedule applies to the double fittings illustrated above. The first column of figures represents the number of closets, while the upper horizontal row determines the fall of sewer line, as desired. The figures in the interior columns show the distance the Y fitting is rolled for each closet.

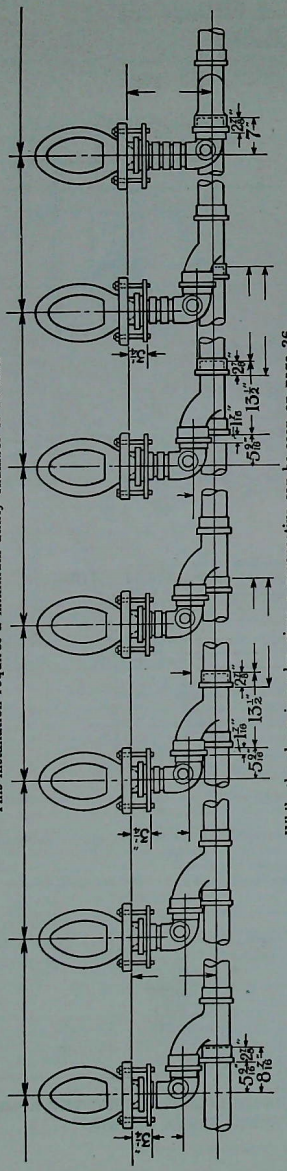
No. of Closets at 2'6" Centers	FALL PER FOOT OF SEWER LINE						No. of Closets at 3'0" Centers	FALL PER FOOT OF SEWER LINE						No. of Closets at 3'6" Centers	FALL PER FOOT OF SEWER LINE					
	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"		1/8"	1/4"	3/8"	1/2"	5/8"	3/4"		1/8"	1/4"	3/8"	1/2"	5/8"
1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
2	2-3/8	3-5/16	4	4-19/32	5-1/16	5-1/2	2	2-19/32	3-5/8	4-3/8	5	5-1/2	5-31/32	2	2-25/32	3-7/8	4	5-11/32	5-29/32
3	3-5/16	4-19/32	5-1/2	6-1/4	6-13/16	7-5/16	3	3-5/8	5	5-31/32	6-23/32	7-5/16		3	3-7/8	5-11/32	5-1/2	7-1/8	
4	4	5-1/2	6-9/16	7-5/16			4	4-3/8	5-31/32	7-1/32				4	4-11/16	6-3/8	6-9/16		
5	4-19/32	6-1/4	7-5/16				5	5	6-23/32					5	5-11/32	7-1/8	7-5/16		
6	5-1/16	6-13/16					6	5-1/2	7-5/16					6	5-29/32				
7	5-1/2	7-5/16					7	5-31/32						7	6-3/8				
8	5-29/32						8	6-3/8						8	6-25/32				
9	6-1/4						9	6-23/32											
10	6-9/16						10	7-1/32											
11	6-13/16																		
12	7-1/16																		

THE ABOVE DIAGRAM OF MEASUREMENTS IS FOR QUICK REFERENCE IN DETERMINING THE NUMBER OF CLOSETS THAT CAN BE ACCOMMODATED IN USING ABOVE FITTINGS

All Closet Fittings tapped for iron pipe are straight thread—not pitched

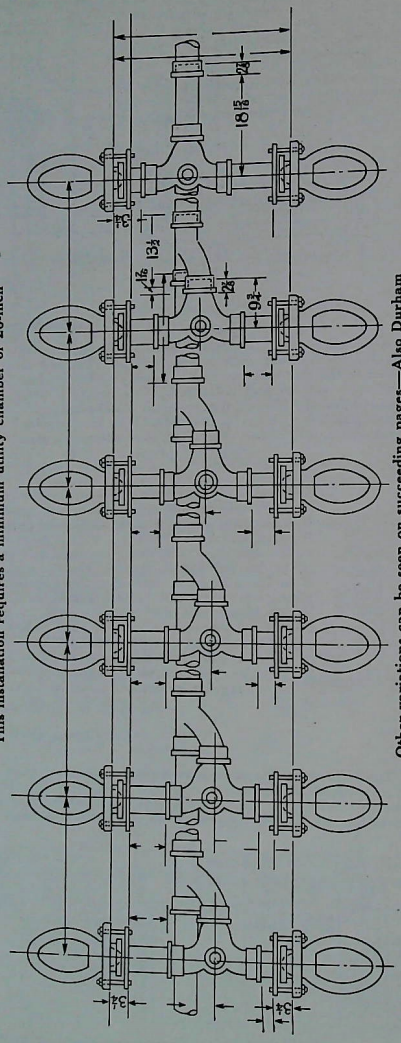
Hy-Tech Products

TYPICAL LAYOUT OF A SINGLE ROW OF WALL HUNG CLOSET BOWLS WITH OUR UNIVERSAL FITTINGS—FOR SOIL PIPE
This installation requires a minimum utility chamber of 19-inch



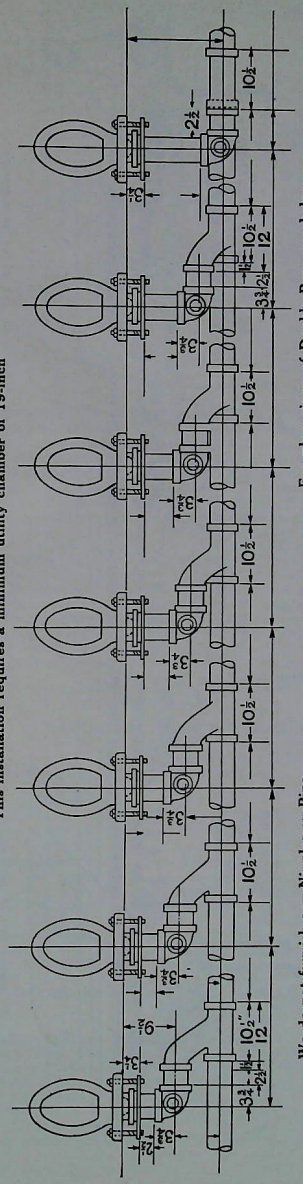
While the above is a plan view, a perspective can be seen on page 26.

HERE IS ANOTHER ILLUSTRATION SHOWING A DOUBLE ROW OF CLOSETS WITH THE SAME FITTINGS IN DOUBLE PATTERN—FOR SOIL PIPE
This installation requires a minimum utility chamber of 26-inch



Other variations can be seen on succeeding pages—Also Durham

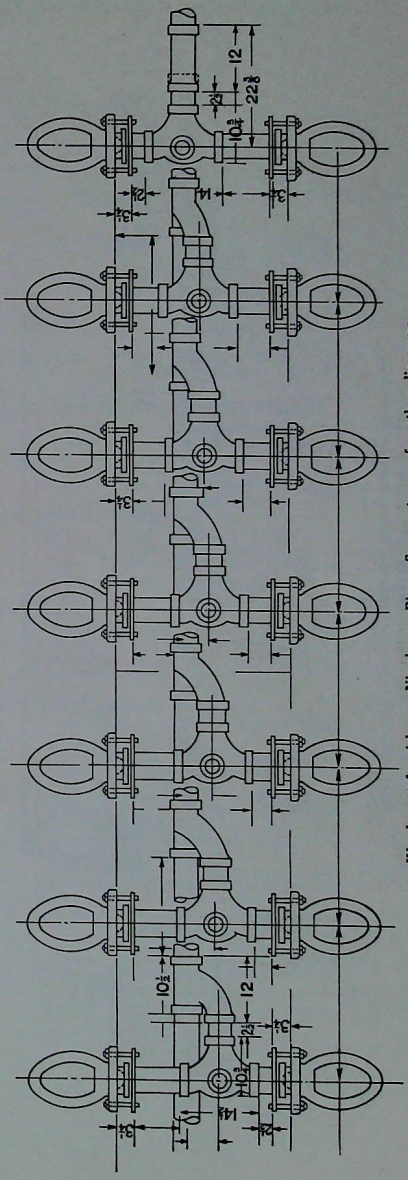
ANOTHER LAYOUT OF A SINGLE ROW OF BOWLS FITTED WITH OUR UNIVERSAL FITTINGS IN DURHAM
This installation requires a minimum utility chamber of 19-inch



We do not furnish any Nipples or Pipe

For plan views of Double Row, see below.

THIS ILLUSTRATION SHOWS A DOUBLE ROW OF CLOSET BOWLS WITH OUR UNIVERSAL FITTINGS IN DURHAM
This installation requires a minimum utility chamber of 26-inch

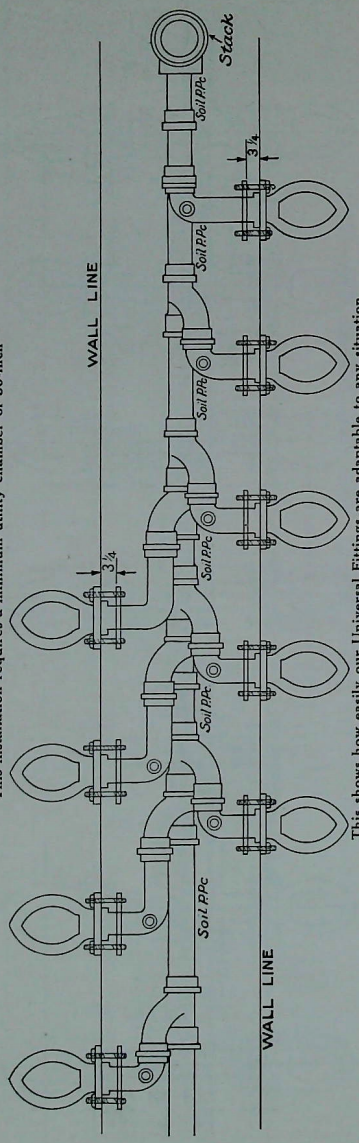


We do not furnish any Nipples or Pipe—See next page for other diagrams

Hy-Tech Products

HERE IS AN ILLUSTRATION SHOWING SINGLE AND DOUBLE ROWS OF CLOSETS ON THE SAME WASTE LINE

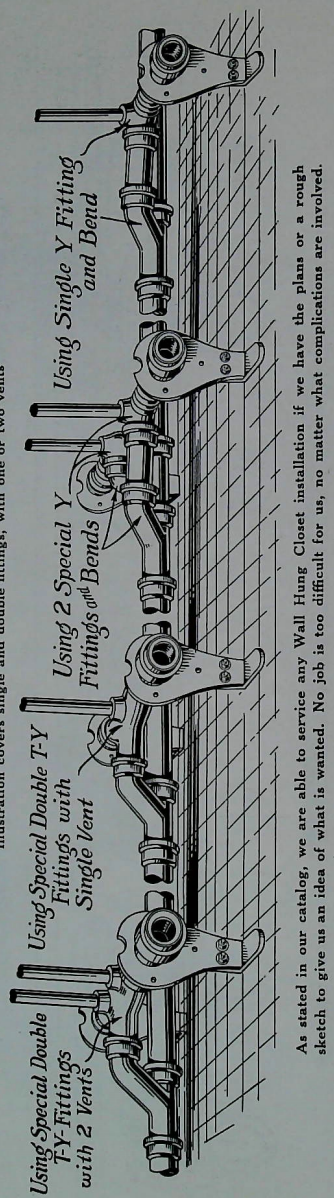
This installation requires a minimum utility chamber of 30-inch



This shows how easily our Universal Fittings are adaptable to any situation

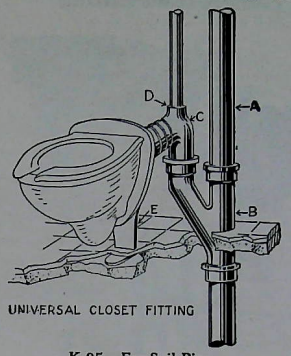
HERE WE SHOW OUR UNIVERSAL FITTINGS SET UP IN PERSPECTIVE VIEW

Illustration covers single and double fittings, with one or two vents



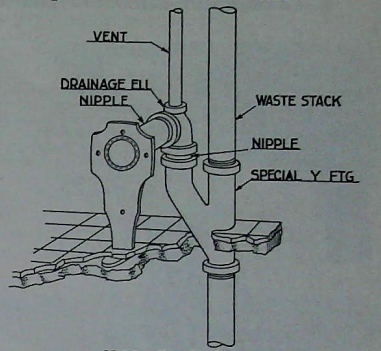
As stated in our catalog, we are able to service any Wall Hung Closet installation if we have the plans or a rough sketch to give us an idea of what is wanted. No job is too difficult for us, no matter what complications are involved.

Blake Universal Closet Fittings Set Up In Vertical Position



K-95—For Soil Pipe

The illustrations herewith show our Universal Fittings in vertical position. The double fitting, K-91, shown at top of page 23, can be used the same way for back-to-back closets. Prices are the same as horizontal, single or double fittings.



K-96—For Durham

How to Order Wall Hung Closet Units or Chairs Only

Before selecting any fittings, find out how much space you have in the utility chamber, and then refer to our diagrams and measurements to determine what fittings can be accommodated for the space, taking into consideration the number of closets proposed to a line. In many instances, if the line of closets is too long to place stack on one end, arrangements can be made to set the stack in center, or nearly so, and in this way accommodate more closets. A raised floor for the closet bowls also helps a great deal, as fittings can be dropped down that much more.

Blowout bowls, which have the outlet a good deal higher than the syphon jet, are more easily taken care of, but in installing syphon jet bowls only a very limited amount of closets can be placed in a row, due to the low outlet. However, as stated above, a raised floor will accomplish a great help, and if concrete is chopped out for the bead of fittings to rest in, another full one-half inch will be gained—the closet can also be set 1" higher. After you have selected your fittings in single or double, or both, right or left hand, advise the make of bowl or send a template of the back so chair can be drilled properly, and state whether closets are syphon jet or blowout.

Advise if chair is going to be placed more than ordinary depth below finished floor (regular is about two inches). Mention if fittings are for soil pipe or Durham, and whether closet connection is to be special.

Last, but not least, advise thickness of the finished wall.

NOTE.—For convenience, a line of fittings should be assembled and made up out on the open floor and then pushed into place.

For Complete Carrier Chairs see pages 33 to 45.

Repair Parts

REPAIR PARTS FOR K-86 AND K-87

	Price	Wt.
Y Fitting only, for soil pipe or Durham	$ 9.00	28
Y Fitting only, for soil pipe or Durham, galvanized	12.30	30
Closet Bend only, for soil pipe	6.00	20
Closet bend only, for soil pipe, galvanized	8.40	21
Tapped Side Outlet Closet Elbows, Durham	5.00	10
Tapped Side Outlet Closet Elbows, Galvanized	6.20	10½
Y Fitting with 5" waste line—soil pipe	12.00	35
Y Fitting with 5" waste line—soil pipe, galvanized	16.00	
Y Fitting with 5" waste line—Durham	14.00	32
Y Fitting with 5" waste line—Durham, galvanized	17.00	

REPAIR PARTS FOR ALL BLAKE CARRIER CHAIRS

	Price
Asbestos Gaskets	$ .50
⅝x6" Stud Bolts	.30
Longer Studs, add per inch	.03
Closet connection up to 6" long, complete	3.50
Closet Collars only—regular	3.00
Nickel-Plated Washers, each	.25
Nickel-Plated Nuts, each	.60
Chromium Plating Nuts or Washers, add each	.12
White metal nuts or washers, add each	.80
Test Caps and Bolts	1.25

REPAIR PARTS FOR K-91 AND K-92

	Price	Wt.
Y Fitting only, either for soil or Durham	$ 9.00	28
Galvanized Y Fitting only, either for soil or Durham	12.30	30
Tee Fitting only, either for soil or Durham	10.00	30
Galvanized Tee Fitting only, either for soil or Durham	13.60	32
Y Fittings with 5" waste line—soil pipe	12.00	35
Y Fittings with 5" waste line—soil pipe, galvanized	16.00	
Y Fittings with 5" waste line—Durham	14.00	32
Y Fittings with 5" waste line—Durham, galvanized	17.00	

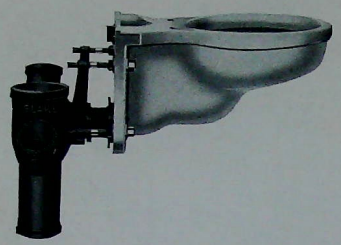
REPAIR PARTS FOR K-94

	Price	Wt.
Y Fitting only, for soil pipe or Durham	$ 9.00	28
Y Fitting only, soil pipe or Durham, galvanized	12.30	30
Closet Bend only, for soil pipe	6.00	20
Closet Bend only, for soil pipe, galvanized	8.40	21
Tapped Side Outlet Closet Elbows, Durham	5.00	10
Tapped Side Outlet Closet Elbows, galvanized	6.20	10½
Y Fitting with 5" waste line—soil pipe	12.00	35
Y Fitting with 5" waste line—soil pipe, galvanized	16.00	
Y Fitting with 5" waste line—Durham	14.00	32
Y Fitting with 5" waste line—Durham, galvanized	17.00	

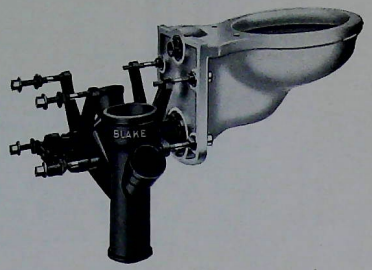
All fittings tapped for iron pipe are straight thread—not pitched.

Hy-Tech Products

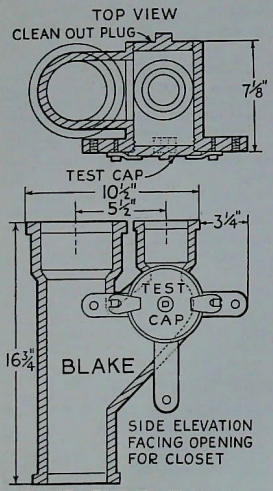
K-127B and K-127BD—Blake Vertical Wall Hung Closet Fitting



K-127B

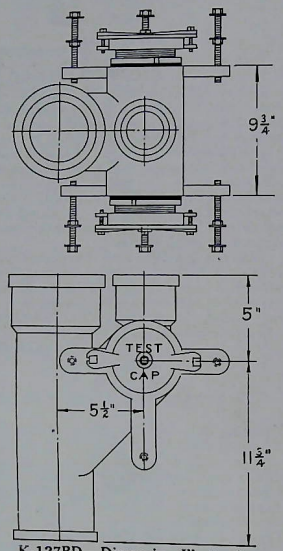


K-127BD



K-127B—Dimension Illustration

Made with and without carrier arms cast integral. At last a fitting that makes wall hung closets in an ordinary partition both practical and economical. Both can be furnished as shown, single or double, with or without carrier arms. Suitable for any manufacturer's bowl in either syphon jet or blowout type. This fitting is practical whereever wall hung closets are wanted on a vertical stack.



K-127BD—Dimension Illustration

LIST PRICES

K-127B—Price, size 4-in. screw pipe or soil pipe connection arranged for single closet, complete with carrier arms integral	$16.00
K-127BD—Price, size 4-in. screw pipe or soil pipe connection arranged for double back-to-back closets, complete with two sets of carrier arms integral	28.00
If chrome cap nuts and washers are wanted, add	.60
If white metal cap nuts and washers are wanted, add	1.50
If closet connection is longer than 6-in., add for each additional inch	.20
If fitting is wanted less carriers with regular iron pipe threaded openings in either soil pipe or screw pipe	10.00

Weight, single fitting 44 lbs.; double fitting 55 lbs.; less closet arms 38 lbs.

At Last Blake Makes Wall Hanging Closets Possible in Residences

The above fitting was designed for use in a type of construction where space is limited. Is very practical for residence, hospital, also secluded toilets in large buildings where it is not practical to reserve utility space for wall hung closets. Due to its low price and the minimum space required, these fittings are very desirable. Furnished for any make or type bowl, and in either soil pipe or screwed pipe.

Blake Vertical Double Fittings for Wall Hung Closets

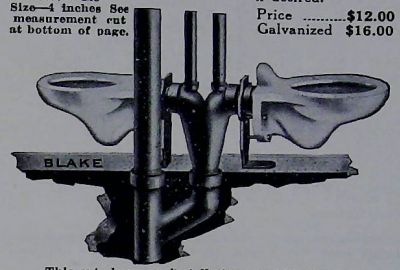
WHERE UTILITY SPACE IS VERY NARROW

No. K-125
Size—4 inches See measurement cut at bottom of page.

No. K-125—Blake Wall Closet Fitting for Durham job where closet bowls are back to back opposite in narrow utility space. This is to be used in connection with our Universal "Y" branches, so as to form stack along side of this fitting. It measures 10 inches across. See installation cut below. Weight, 35 lbs.

Single vent can be furnished, if desired.

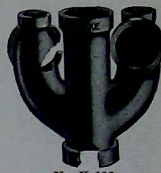
Price $12.00
Galvanized $16.00



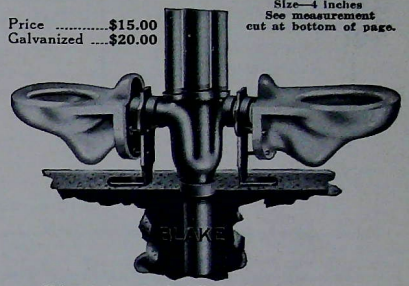
This cut shows an installation in which the above K-125 Fitting is used.

No. K-126—For Durham work where closets are back to back in utility space too narrow for any double fitting to permit bowls to be directly opposite each other. This fitting permits staggering of bowls to a distance of only 10½ inches and stack can run through it. Across from face to face, it measures 8 inches. See installation cut below. Weight, 40 lbs.

Price $15.00
Galvanized $20.00



No. K-126
Size—4 inches
See measurement cut at bottom of page.



This cut shows an installation in which the above K-126 Fitting is used.

Blake Vertical Wall Hung Closet Fitting For Back to Back Installation

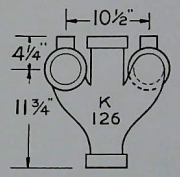
This is a new addition to our line of Wall Hung Closet Fittings, and is very handy in limited spaces, as the Durham fitting, as shown, is only 10 inches face to face of closet inlets. While one vent only is shown, we can furnish two vents if desired.

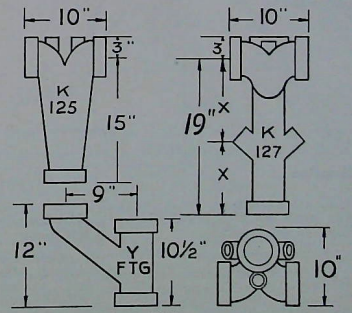
The upright barrel can be furnished in 4, 5 or 6-inch sizes, and the lavatory and tub connections can be eliminated or furnished with right or left tapping only.

This makes a splendid fitting for vertical Wall Hung Closet installation, and by referring to illustration it can be seen how we prohibit the flowing of soil across from one bowl to another. This feature, of course, is found in all of our different styles of closet fittings.

	List Price	Galvanized	Weight
In Durham, with 4-inch vertical pipe	$15.00	$20.00	40 lbs.
In Durham, with 5-inch vertical pipe	17.00	22.75	48 lbs.
In Durham, with 6-inch vertical pipe	19.00	26.00	56 lbs.

All closet fittings tapped for iron pipe are straight threads—not pitched.



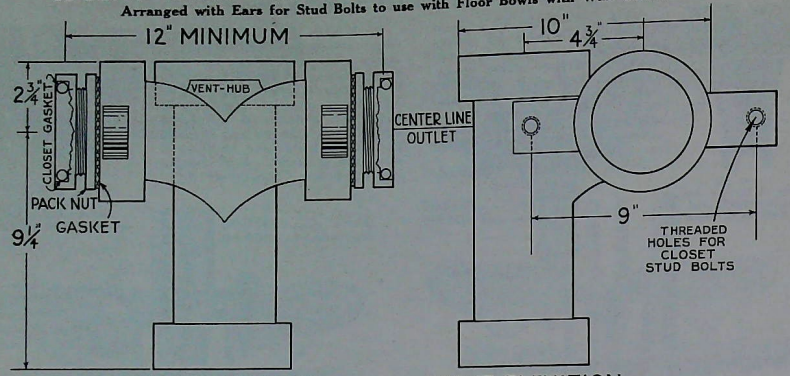


K125 WITH Y FTG.

At left we show Detailed Measurements for Roughing-in Figures K-125, K-126 and K-127, which are illustrated and described above

K-127A—Blake Vertical Double Wall Hung Closet Fittings

Arranged with Ears for Stud Bolts to use with Floor Bowls with Wall Outlet



K-127A—Back-to-Back Fittings

The above fitting is another variation of our K-127, shown on page 29. The fitting as shown is for Durham work, size 4-inch, but we can furnish it for soil pipe. However, as soil pipe hubs are deeper than screw hubs, the measurements as shown will be considerably increased. An increase will also take place in larger sizes than 4-inch, whether for iron or soil pipe.

Prices below do not include closet connections or stud bolts and nuts.

LIST PRICES

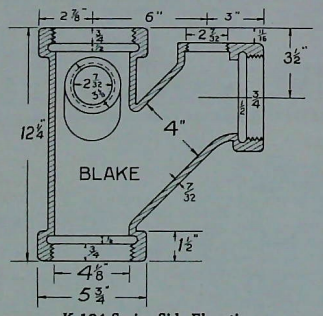
	Size		Regular	Galvanized	Weight
In Durham, not including Closet Connections.....	4-inch	Vertical Pipe	$12.00	$15.00	24 lbs.
In Durham, not including Closet Connections.....	5-inch	Vertical Pipe	13.50	17.50	30 lbs.
In Durham, not including Closet Connections.....	6-inch	Vertical Pipe	15.00	19.50	35 lbs.

Complete Closet Connections with Gasket and Test Cap, each $3.50.
A set of four ⅝-inch Stud Bolts with N. P. Nuts and Washers, $4.00.

Blake Extra Heavy Special Vertical Fitting for Wall Hung Closet

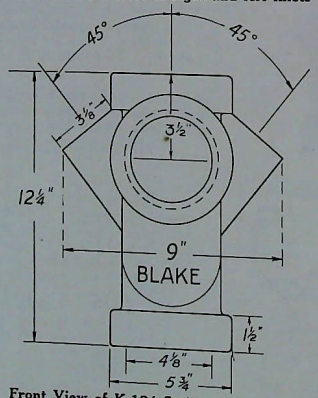
Furnished with Vent and with either right or left two-inch Y inlet or right and left inlets

Furnished in either 3 or 4" sizes.



K-124 Series Side Elevation

Measurements shown are 4" size; measurements for size 3" are the same as 4" except 1" shorter from front to back.



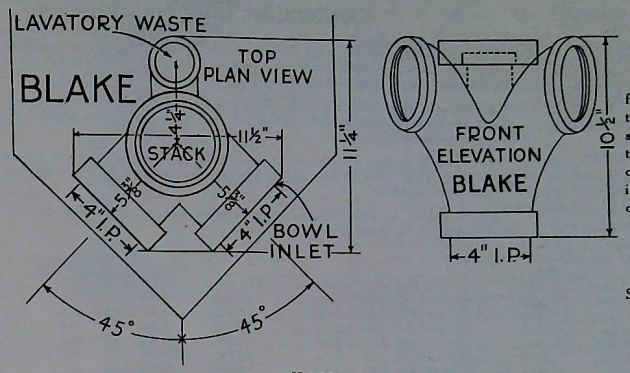
Front View of K-124 Series with right and left inlets

		List Price	For Galv. Add	Weight
K-124-A	3" size—right or left inlet	$ 9.00	$3.20	27 lbs.
K-124-B	3" size—right and left inlet	10.00	3.30	28 lbs.
K-124-C	4" size—right or left inlet	10.00	3.70	31 lbs.
K-124-D	4" size—right and left inlet	11.00	3.80	32½ lbs.

All Closet Fittings tapped for Iron Pipe are straight threads—Not pitched

K-128—Blake Twin Angle Fitting for Wall Hung Closets

Suitable for any Manufacturer's Bowl, either Syphon Jet or Blowout



K-128

This fitting is well suited for Cells in a Penal Institution, as it is compact and strong with the stack running through it. While it is without vent, we can furnish vents if wanted—see K-128A with or without carrier arms.

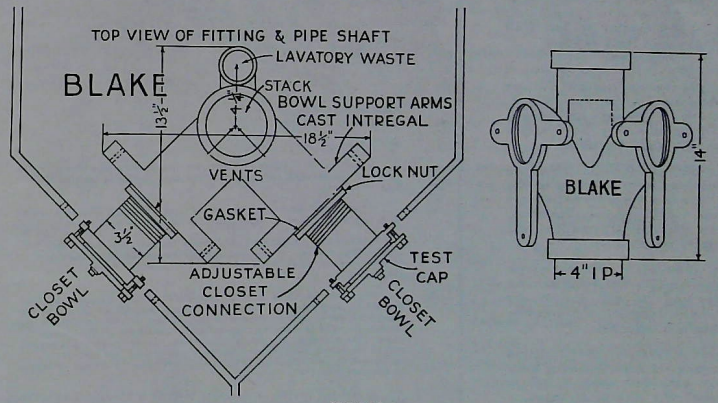
List Price

For fitting as illustrated.

		Weight
Size 4-inch	$12.00	45 lbs.

K-128A—Blake Twin Angle Fitting for Wall Hung Closets

Suitable for Cells in Penal Institutions and to Fit any Manufacturer's Bowls, Either Syphon Jet or Blowout



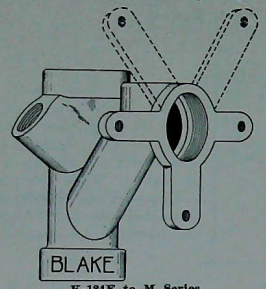
K-128A

This is same designed fitting as our K-128, except that this has vent connections and carrier arms, but can be furnished without the arms.

List Price

Complete, size 4-inch with adjustable closet connections, carrier arms, studs, N. P. cap nuts, gaskets and test caps.....	$20.00	55 lbs.
If fitting only is wanted—less all accessories and less carrier arms, so as to provide a fitting like K-128 but with vents.....	13.50	48 lbs.
If chrome plated nuts and washers are wanted, add.....	1.20	
If white metal nuts and washers are wanted, add.....	3.00	
If the closet connections are longer than 6 inches, add for each additional inch (6" closet connection is for 4" wall).....	.40	

Blake Extra Heavy Special Vertical Fitting for Wall Hung Closets with Integral Carrier for either Blowout or Syphon Jet Closets



K-124E to M Series

This is identically the same fitting as our figures K-124A to K-124D shown on page 30 and carry the same measurements, except that carrier for the closet bowl is cast integral with the fitting.

It makes a very compact unit. While the carrier part of accompanying illustration is for syphon jet bowl, we also make it suitable for blowout closets.

The barrel is for 3-inch or 4-inch screw pipe and the side inlets are 2-inch size. The Closet Inlet can also be furnished for 3-inch or 4-inch iron pipe.

Prices below do not include an adjustable closet connection or any stud bolts, nuts, washers or test caps.

	Size			Galv add	Wt.
K-124E for syphon jet	3-inch	right or left side inlets	$11.00	$3.70	31 lbs.
K-124F for syphon jet	3-inch	right and left side inlets	12.00	3.85	32½ lbs.
K-124G for syphon jet	4-inch	right or left side inlets	12.00	4.20	36 lbs.
K-124H for syphon jet	4-inch	right and left side inlets	13.00	4.40	38 lbs.
K-124J for blowout jet	3-inch	right or left side inlets	11.00	3.60	30 lbs.
K-124K for blowout jet	3-inch	right and left side inlets	12.00	3.85	32 lbs.
K-124L for blowout jet	4-inch	right or left side inlets	12.00	3.60	30 lbs.
K-124M for blowout jet	4-inch	right and left side inlets	13.00	4.20	36 lbs.

Complete adjustable closet connection up to 6″ long with test cap $3.50
Longer connections, add per inch or fraction thereof ..... .20
Complete set of 4 stud bolts with nickel plated nuts and washers 4.00

Strength of the Carrier of the Wall Hung Closet Bowl is Most Important

Before placing any of our Carrier Chairs or Hangers on the market, they receive a proper engineering test to be positive they have ample allowance for extreme abuse.

The accompanying letter from the A. H. Putnam Co. will testify to the strength of our Carriers—not simply as to what would meet ordinary requirements but to provide for the extraordinary possibilities.

In any installation where Carrier Chairs are used to relieve strain on the fittings and the wall, the carrier must be built right or the purpose of the fixture is defeated.

In addition to sturdy construction of the casting we furnish heavy bolts and heavy nuts and washers, all in keeping with the idea of strength.

In the following six pages we show quite a long variety of Carriers for closets, urinals and lavatories, each complete in all details—nothing more needed to complete the job.

Closet carriers are also provided with test caps to serve when testing the job for leaks, and also close up the openings against refuse during construction.

A. H. PUTNAM COMPANY

FOUNDRY INVESTIGATIONS — CUPOLA PRACTICE
CHEMISTS METALLURGISTS — LABORATORY
ANALYSES SPECIFICATIONS HEAT TREATMENTS

TELEPHONE ROCK ISLAND 302 — CITY HALL BLDG.

ROCK ISLAND, ILL.
October 20, 1931

Blake Specialty Company
Rock Island, Illinois.

Dear Sirs:

On October 19, 1931, a breakdown test was made by this laboratory to determine the strength and quality of the cast iron being used in Blake Carrier chairs.

A K-88 chair was bolted down in its normal position without a kicker bolt, and placed under an Olsen 50,000 pound testing machine.

The load was applied in such a manner that it would take effect 20" forward from the face of the chair, which is approximately 6" farther forward than the point where the load would normally be applied to a closet bowl.

Indicators sensitive to .001" were placed in such a manner that the deflection downward af the point of load could be obtained throughout the test; also the deflection forward on the top face of the chair at the pipe connection. The load was applied slowly in increments of five pounds or less. When a load of 475 pounds was reached, the chair casting fractured across the ribbed section under the pipe connection. The downward deflection at the instant of failure was 1.770" and the forward deflection of the face was .779".

By applying the load at the normal position of 14" forward of the face, this chair would have sustained a load exceeding 650 pounds before failure. The use of a kicker bolt will permit a still larger load at the 14" position before failure.

In view of the fact that this test was conducted on a carrier chair and blowout bowl in the open, without any connection to a line of fittings or without any support from a back wall, it is certain that additional strength and rigidity will be obtained when the carrier chair is coupled to a line of fittings and placed in its normal position behind a wall.

The above tests indicate that the quality of the cast iron being used and the construction in these chairs is excellent for the purpose intended.

Yours very truly,

A. H. PUTNAM COMPANY,

By: A. H. Putnam

AHP:LK

K-90AU

K-90AU—Blake Carrier Support for Universal Fittings, for Soil Pipe and for Blowout Bowl

This is a companion piece to K-88 Chair shown on page 37, and is used where a chair is not necessary. The adjustable collar is the same as on K-88 Chair and is for soil pipe. The closet bend is slipped through the hanger and then caulked in from the front.

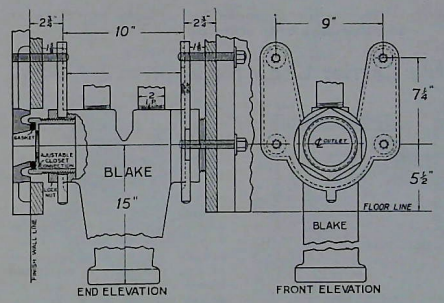
The collar is for wall adjustment.

We do not furnish the connecting pipe nipple at bottom, or the floor flange.

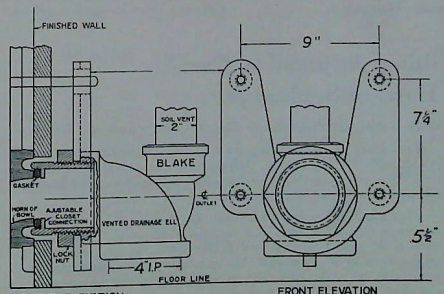
LIST PRICE

K-90AU—Price complete as described, with nickel plated nuts and washers, ⅝″ stud bolts, closet gasket and test cap $8.00
For chrome cap nuts and washers, add ..... $ .60
For white metal cap nuts and washers, add 1.50
For closet connections and bolts wanted for finished wall over 6 inches thickness, add per inch ..... .20
For carrier machined for lead pipe connection, add 2.00
For carrier all galvanized, add 3.00
Approximate weight, 19 pounds.

K-89C—Blake Hanger Plates for Close Quarters in Utility Spaces and for Syphon Jet Bowls



K-89C Carrier Support



K-89C Carrier Support connected to K-153 Vented Ell

Here we show our K-125 Fitting with K-89C Hanger Support in order to accommodate a 10″ Utility Space for double closets in vertical installations.

The face of the fitting is brought up to face the hanger plate and a short special built closet nipple that has been screwed into the fitting slips through the Hanger Support and is locked with locknut against the hanger on opposite side to fitting.

For the stack our Universal Closet fitting is used—same as the illustration shown on page 29, where K-125 fitting is assembled and also priced.

LIST PRICE

Price of K-89C Hanger with locknut (K-125 Fitting not included). N. P. nuts and washers, ⅝″ stud bolts, adjustable closet connection and closet gasket. Weight, 16 lbs. $7.50

All of the variations, extras, etc., as mentioned under K-90AU, above, are applicable to above chair and at same prices.

This is the same Hanger Support as above, and at the same price.

The only difference in the illustration is that it is shown here connected to a vented ell for single vertical connection.

The method of installation is the same and provides for close quarters.

LIST PRICE

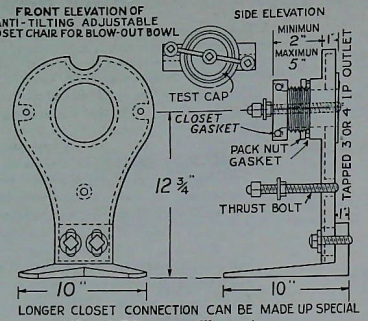
K-153 Vented Ell alone $3.50

Hy-Tech Products

K-88A—Blake Anti-Tilting Adjustable Heavy Carrier Chair for Blowout Bowl

Arranged for either Blake or Universal Wall Hung Closet Fittings, and either for Soil, Durham or Lead Connection

K-88A
Perspective view



K-88A Dimension Illustration

This carrier chair is very similar to our K-88, page 37, and is arranged so that it can be used with either our Universal or Blake Closet Fittings. It has adjustability in height and also at closet collar. Closet connection is fitted with test cap, pack nut and washers for testing. Furnished complete with closet connection, gasket, stud bolts, nickel-plated nuts and washers. Drilled and fitted for any type of bowl.

Chairs are furnished regularly for a 2-inch fill on floor. Special length made to order at extra cost. Weight, 37 lbs.

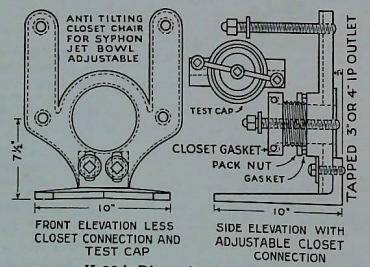
LIST PRICES FOR K-88A AND K-89A

Price, complete, for Soil or Iron Pipe	$11.00
If Galvanized, add	3.00
If Nuts and Washers are Chromium Plated, add	.60
White Metal Nuts and Washers, per set extra	1.50
If closet connections and bolts are longer than 6" add for additional length, per inch	.20
Longer feet, 4 to 6" additional length, add to each chair from $1.00 to $2.00 extra list.	
If Chair is for Lead Pipe, which requires a Faced Brass Flange, add	2.00

This carrier chair can be made in one piece at $1.00 advance over above prices.

K-89A—Blake Anti-Tilting Adjustable Carrier Chair for Syphon Jet Bowl

K-89A
Perspective view



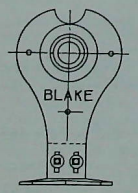
K-89A Dimension Illustration

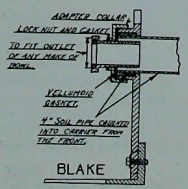
Arranged for either Blake or Universal Wall Hung Closet Fittings, and either for Soil, Durham or Lead Connection

This is the same pattern of carrier chair as shown in K-88A, except that it is arranged for syphon jet bowl of any make. It is equipped identically the same, and all prices are the same. Weight, 37 lbs.

This carrier chair can be made in one piece at $1.00 advance over above list prices.

K-88AS—Blake Anti-Tilting Adjustable Carrier Chair for Blowout Bowl or Syphon Jet



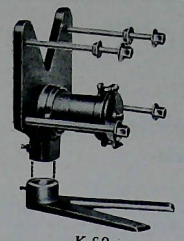


K-88AS

With Extension Adjustable Closet Connection for Soil Pipe

This Carrier is the same as K-88A except that it is furnished with an Extension Adjustable Closet Connection for Soil Pipe, and Carriers for Syphon Jet Bowl can be furnished with the same connection.

This kind of a connection can be furnished in any length required to go through any thickness of wall. Those shown with K-88 and K-89 as well as K-90AU, while for soil pipe connection and adjustable, do not have more than one inch extension or reduction either way. Weight and prices are the same as for K-88A or K-89A.

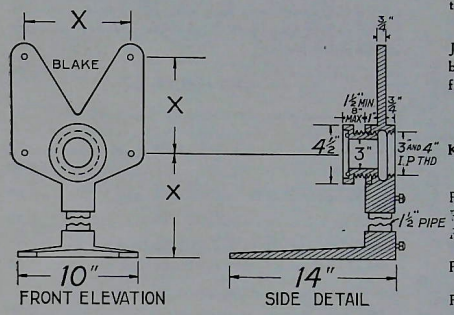


K-90C

K-90C—Blake Carrier for Syphon Jet Wall Hung Bowls

A very sturdy carrier suitable for any type of installation. This carrier embodies the cantilever type foot support, and like all Blake carriers is furnished with patented test cap, adjustable closet connections with heavy lock nuts and asbestos gaskets. No labor expense with Blake carriers for plugging openings for testing.

K-90C, another variation of Carrier Chair for Syphon Jet bowl arranged for iron pipe connection. Top and bottom castings to be connected by pipe (pipe not furnished by us).

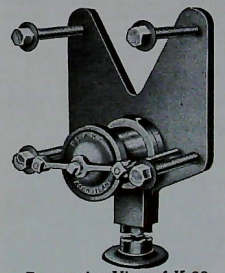


K-90C—Dimension Illustration

LIST PRICES

K-90C—Price complete with adjustable closet connection, N. P. nuts and washers, ⅝" stud bolts, closet gasket and test cap	$8.00
For chrome cap nuts and washers, add	.60
For white metal cap nuts and washers, add	1.50
For closet connections and bolts wanted for finished wall over 6-inch thickness, add per inch	.20
For carrier machined for lead pipe connection, add	2.00
For carrier all galvanized, add	3.00

Approximate weight, 39 pounds.



Perspective View of K-90

K-90—Blake Carrier Floor Support for Syphon Jet Bowl and for Iron Pipe Connection

Complete with all accessories and Test Caps

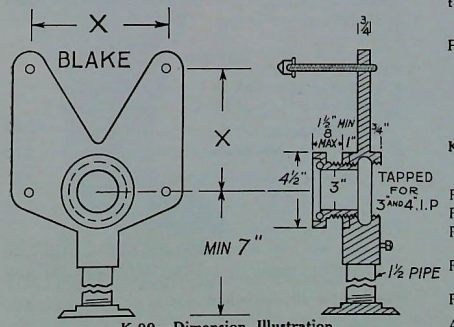
Strong, durable and well balanced.

Our closet connections are of continuous thread, and if too long they can be run into chair and fitting behind to proper length, and this same rule applies to our stud bolts.

Test caps furnish an easy and inexpensive method of testing out the job.

K-90 is adapted for Syphon Jet Bowl and for Iron Pipe Connection.

We do not furnish the pipe nipple or floor flange.



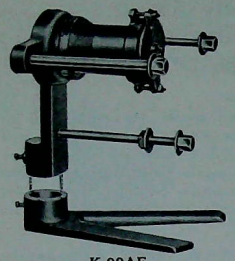
K-90—Dimension Illustration

LIST PRICES

K-90—Price complete with N. P. nuts and washers ⅝" stud bolts, closet connection, closet gasket and test cap. Weight, 29 lbs.	$7.00
For chrome cap nuts and washers, add	.60
For white metal C nuts and washers, add	1.50
For closet connections and bolts wanted for finished wall over 6-inch thickness, add per inch	.20
For carrier machined for lead pipe connection, add	2.00
For carrier all galvanized, add	3.00

Approximate weight, 29 pounds.

Hy-Tech Products



K-90AF

K-90AF—Blake Carrier Chair for Blowout Wall Hung Bowls

A very sturdy carrier suitable for any use where economy is desired with quality. Like all Blake Carriers, it is furnished with test cap and adjustable closet connection with heavy lock nuts with asbestos gaskets. No labor expense with Blake carriers for plugging openings for testing.

LIST PRICES

List price complete, for Durham, with foot, adjustable closet connection, N. P. cap, nuts and washers, stud bolts, closet gasket and test cap $8.00

For chrome cap nuts and washers, add..... .60

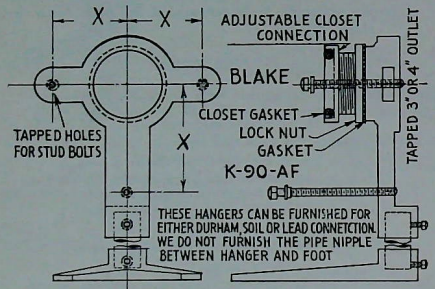
For white metal cap nuts and washers, add..... 1.50

For closet connections and bolts wanted for finished wall over 6-inch thickness, add per inch.. .20

For carrier machined for lead pipe connection, add 2.00

For carrier all galvanized, add..... 3.00

Approximate weight, 25 pounds.



K-90AF—Dimension Illustration

K-90A—Perspective view

K-90A and K-90AA — Carriers for Blowout Wall Hung Bowls

This is the same carrier as 90AF shown above, with the exception that it has no cantilever foot. Floor support is a short piece of pipe with floor flange (pipe and flange not furnished). Is suitable for prisons where steel and concrete wall do not allow foot. Like all Blake carriers, is furnished with our patented test cap and adjustable closet connection, which saves all extra labor in plugging up for testing.

LIST PRICES

K-90A—Complete with N. P. nuts and washers, closet con., ⅜" stud bolts, closet gasket, test cap $7.00

K-90AA—Complete as above, without pipe socket 6.50

For chrome cap nuts and washers, add..... .60

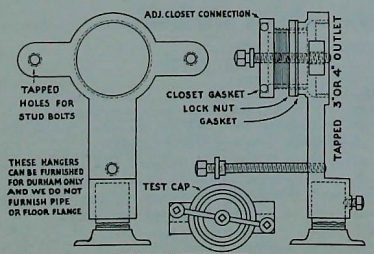
For white metal cap nuts and washers, add..... 1.50

For closet connections and bolts wanted for finnished wall over 6-inch thickness, add per inch .20

For carrier machined for lead pipe connection, add 2.00

For carrier all galvanized, add..... 3.00

Approximate weight, 21 pounds.



K-90A—Dimension Illustration

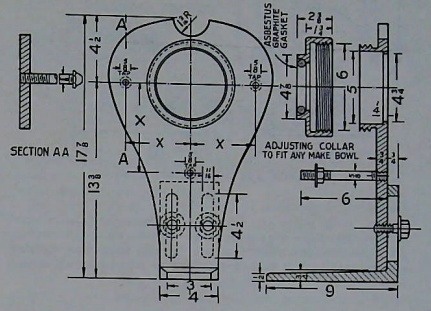
Blake Universal Carrier Chairs with Adjustable Collars for Universal Closet Fittings

Patented and Patents Pending

Drilled for Any Make of Bowl—Strong and Convenient—Arranged for Soil or Durham Work

All Cuts on this page illustrate Soil Pipe Connection

DESCRIPTION OF BLAKE UNIVERSAL CARRIER CHAIRS



K-88 For Blowout Bowl—With Vertical Adjustment

K-88 Universal carrier chairs, as shown, are made for any type of bowl, either syphon jet or blowout. The carrier plate is to set just back of finished wall, and it is necessary for the bolts to run from the carrier plate to the fixture only, rather than back to fitting; and the closet ring has a 1-inch adjustment to take care of any variation in the partitions. Also, by bringing carrier to the front next to fixture, where strain is greatest, it makes bolts in all cases of equal length, doing away with the annoyance of cutting bolts a special length for each fixture.

K-88—This is perspective view of carrier chair with Adjustable Collar and Adjustable Foot Can be furnished with Crow Foot like K-88A—No Extra Charge

K-88—Above chair is for blowout bowl and has adjustable foot for vertical rise, and also equipped with adjustable closet collar. weight, 32 lbs.

LIST PRICES

Complete with gasket, stud bolts, nickel-plated nuts and washers, and test cap $11.00

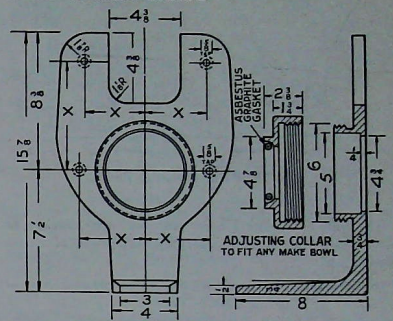
If chair is to be galvanized, add.. 3.00

If nuts and washers chromium plated, add ..... .60

White Metal nuts and washers, add 1.50

If chair is for lead pipe, which requires brass face flange, add 2.00

Test caps furnished with all chairs and Hanger supports.



K-89 For Syphon Jet Bowl Drilled for any make of Bowl

K-89—This type of chair is for syphon jet bowl and has solid foot instead of vertical adjustment, but can be furnished with adjustable foot same as K-88 with corresponding reduction in price. Weight, 34 lbs.

LIST PRICES

Complete (Solid Foot) with gasket, stud bolts, nickel-plated nuts and washers, and test cap $12.00

Complete (Adjustable Foot) like K-89A..... 11.00

If chair is to be galvanized, add..... 3.00

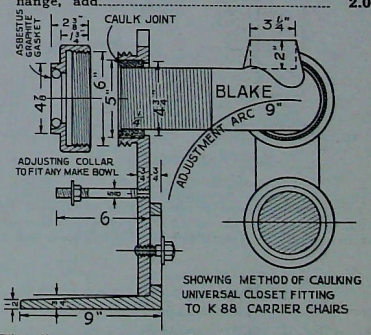
If nuts and washers are chromium plated, add..... .60

White metal nuts and washers, per set extra..... 1.50

If closet connections and bolts are longer than 6" add for additional length, per inch..... .20

Longer feet, 4 to 6" additional length, add to each chair from $1.00 to $2.00 extra list.

If chair is for lead pipe, which requires brass flange, add..... 2.00



SHOWING METHOD OF CAULKING UNIVERSAL CLOSET FITTING TO K 88 CARRIER CHAIRS

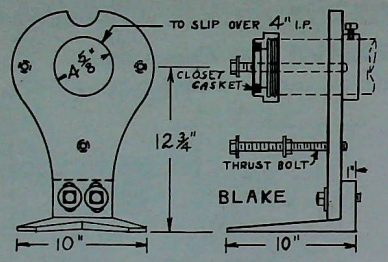
This illustration is simply for the purpose of explaining and pointing out the method of caulking in the closet bend to the carrier chair.

For Parts of Chairs or Hangers, see Page 27.

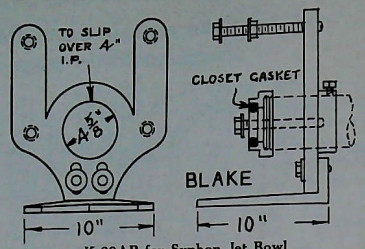
Hy-Tech Products

K-88AP and K-89AP—Blake Wall Hung Closet Chair

Carriers for 4-inch Iron Pipe to Slip Through



K-88AP for Blowout Bowl



K-89AP for Syphon Jet Bowl

The above Carrier Chairs are the same design as our K-88A and K-89A with the exception of closet connection.

In the above designs the carrier is reamed out so 4-inch iron pipe can be slipped through (we do not furnish the pipe nipple) and fastened with 2 set screws, and the closet collar that we furnish with the carrier is screwed on the end of the pipe to connect with closet bowl.

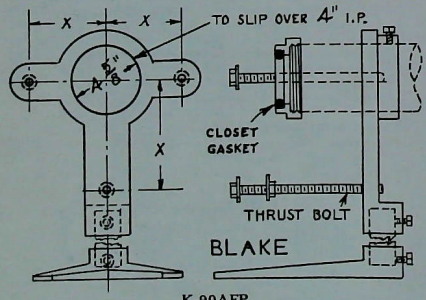
List Prices

K-88AP and **K-89AP** complete with Closet Collar, Gasket, Stud Bolts and N. P. Cap Nuts and Washers $11.00

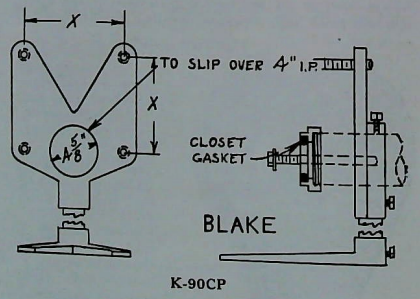
If nuts and washers are Chrome Plated, add 60c. If White Metal, add $1.50.

K-90AFP and K-90CP—Blake Carrier Chairs

For Wall Hung Closet Bowls Arranged for 4-inch Iron Pipe to Slip Through



K-90AFP



K-90CP

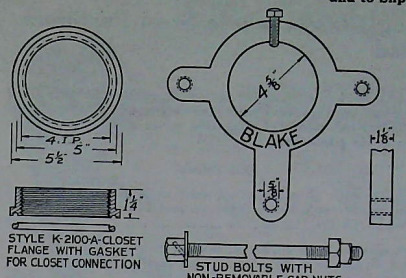
The above patterns are duplicates of our K-90AF and K-90C with the exception that the carrier is reamed out for 4-inch iron pipe to slip through and fastened with two set screws (we do not furnish the pipe), and on the end of the pipe nipple a closet flange is screwed on for connection to closet bowl.

List Prices

K-90AFP complete with Closet Flange, Gasket, Stud Bolts and N. P. Cap Nuts and Washers $7.00

K-90CP complete as above 8.00

If Chrome Plated nuts and washers, add 60c. If White Metal nuts and washers, add $1.50



K-90S

K-90S Hanger Support for Blowout Bowl is very similar to K-90AB, shown on page 41, except closet flange is of a different style.

Stud bolts have non-removable nuts, such as Penal Institutions demand.

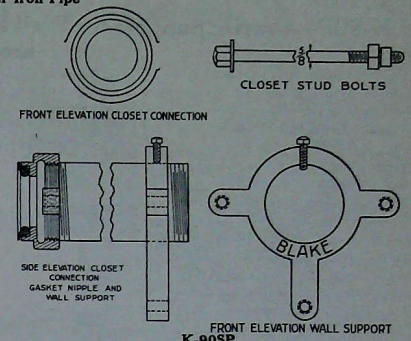
Four-inch wrought iron pipe slips through the hanger and then closet flange is screwed on. One or two set screws will be furnished.

LIST PRICES

K-90S—Price complete with N. P. nuts and washers, ⅝" stud bolts, closet flange and closet gasket, but no test cap. Weight, 15 lbs. $5.50

Style K-2100A—Closet Flange alone with gasket $1.40

All of the variations, extras, etc., as mentioned under K-88A, on page 34 are applicable to above chair and at same prices.



K-90SP

K-90SP is practically the same Hanger Support as the one shown opposite, with the exception of the Closet Flange.

It is also arranged for 4" wrought iron pipe to slip through and can be furnished with one or two set screws.

Cap nuts are non-removable.

LIST PRICES

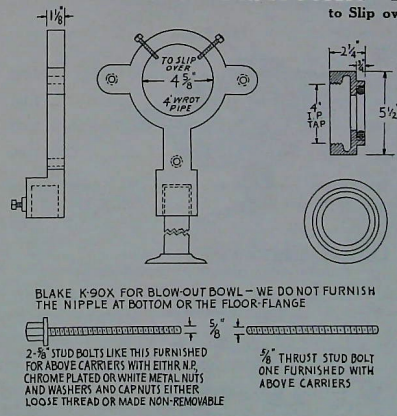
K-90SP—Price complete with N. P. nuts and washers, ⅝" stud bolts, closet flange and closet gasket, but no test cap. Weight, 19 lbs. $5.50

Closet flange alone with gasket $1.75

All of the variations, extras, etc., as mentioned under K-88A, on page 34, are applicable to above chair and at same prices.

K-90X and K-90XX—Blake Carrier Floor Supports

to Slip over Iron Pipe



K-90X for Blowout Bowl

The above is a floor support similar to K-90AB, except that it is also arranged to receive a nipple and flange as a floor rest.

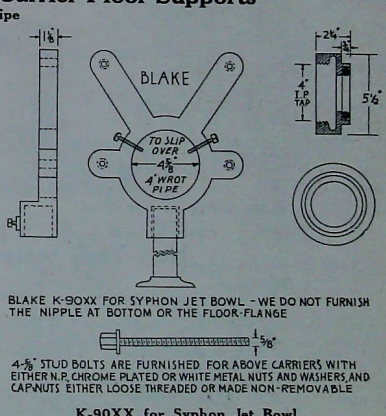
All made extra heavy and complete.

Hanger permits 4-inch waste pipe to slip through and fasten with set screws. Closet flange is screwed on end of pipe. Approximate weight 24 lbs.

Price, including closet flange, gasket, N. P. nuts and washers (nuts either loose or made non-removable) and stud bolts $6.00

Add if nuts and washers are chrome plated ..... $ .60

Add if nuts and washers are in white metal $1.50



K-90XX for Syphon Jet Bowl

This support is a companion piece to K-90X shown opposite, the only difference being that it is arranged for a syphon jet bowl.

Made sturdy and suitable for any manufacturer's bowl. Approximate weight 28 lbs.

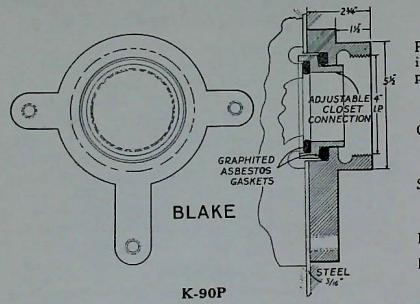
Price, including closet flange, gasket, N. P. nuts and washers (nuts either loose or non-removable) and stud bolts $6.50

Add if nuts and washers are chrome plated ..... $ .60

Add if nuts and washers are in white metal $1.50

Hy-Tech Products

K-90P—Carrier Support for Wall Hung Closets where Steel Partitions are used



K-90P

This Carrier is arranged to use in connection with Steel Partitions such as in Penal Institutions and by reason of its "Close-in" Closet Connection quite a stiffening takes place in the partition.

List Prices

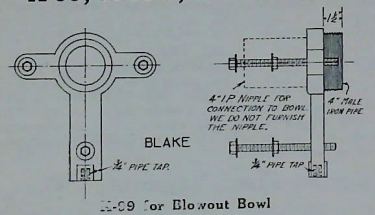
Complete with all accessories, such as Studs with Non-removeable Nuts, Washers and Closet Gasket, weight 18 lbs. $7.00

Same Carrier with socket at bottom to receive pipe and flange to floor (we do not furnish pipe or flange), weight 19 lbs. 7.50

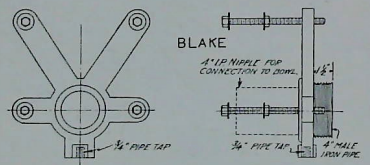
If Nuts and Washers are wanted Chrome Plated, add.... .60

If Nuts and Washers are wanted White Metal, add..... 1.50

K-99, K-99A, K-99B and K-99C—Blake Floor Support for Wall Hung Closet



K-99 for Blowout Bowl



K-99B for Syphon Jet Bowl

This support is quite popular with the trade.

The closet side is tapped 4" female I. P. and connection to bowl is made with a 4" I. P. Nipple. The back side of the Carrier is tapped 4" male I. P. and screws into the closet drainage fitting, which reduces utility space. Bottom of support is tapped for ¾ I. P. so nipple to floor can be used or foot like shown with K-90C on page 35.

List Prices

K-99—For Blowout Bowl, complete with Studs, N. P. Nuts and Washers and Closet Gasket..... $6.00

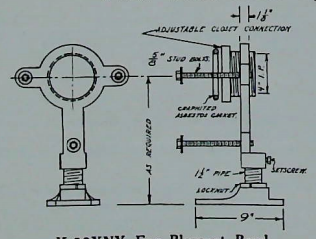
K-99A—Same Carrier with foot..... 7.00

K-99B—As shown for Syphon Jet Bowl, complete 6.00

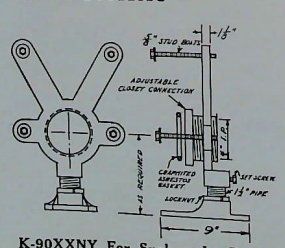
K-99C—Same Carrier with foot 7.00

We do not furnish the pipe nipples. Approximate weight, K-99 and K-99A, 20 lbs; K-99B, K-99C 28 lbs.

New York State Type Closet Carriers



K-90XNY For Blowout Bowl



K-90XXNY For Syphon Jet Bowl

K-90XNY Carriers complete with Brass Closet Connection, Gasket, Studs, N. P. Nuts and Washers $11.00

K-90XXNY Ditto 11.00

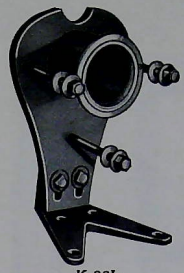
If Nuts and Washers are wanted Chrome Plated, add..... .60

If Nuts and Washers are wanted in White Metal, polished, add..... 1.50

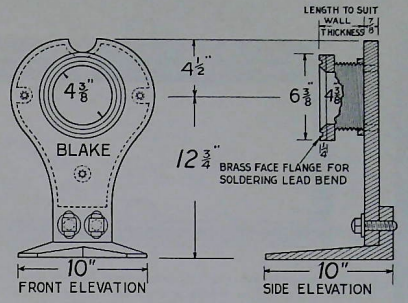
Adjustable Pipe Nipple and Locknut to connect foot with body included in above prices.

K-88L—Blake Carrier Chairs for Lead Pipe

This is to illustrate lead pipe connection for any type carrier chair.



K-88L



K-88L—Dimension Illustration

Furnished for blowout or syphon jet wall hung bowls at the same price. Note that for lead pipe we furnish larger threaded adjustable closet connection with machined brass face, making it possible to insert 4-inch lead pipe from the rear and solder to brass concaved machined face, thus assuring a perfect connection between carrier and bowl. All Blake Carriers can be machined for lead pipe, when so ordered, at extra charge.

K-88L for blowout or Syphon jet and for lead connection. Lead bend comes through the chair from back and is flanged over onto brass face flange, to which it can be soldered.

LIST PRICE

K-88L—List price complete with N. P. nuts and washers, stud bolts, closet gasket and test cap. $13.00

For chrome cap nuts and washers, add..... $ .60

For white metal cap nuts and washers, add..... 1.50

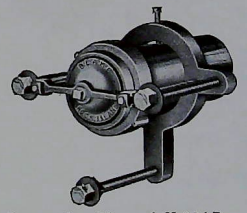
For closet connections and bolts wanted for finished wall over 6-inch thickness, add per in. .20

For carrier all galvanized, add..... 3.00

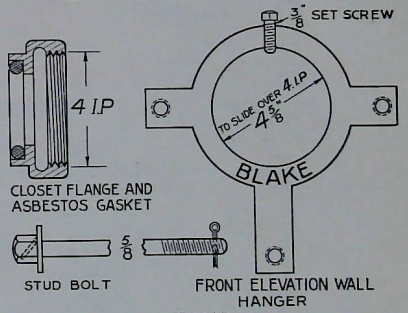
Approximate weight ..... 31 lbs.

K-90AB—Blake Hanger Support for Blowout Bowl and to slip over Iron Pipe

Is Adaptable for Penal Institutions



Perspective View of K-90AB which shows the method of installation



K-90AB

In this carrier the pipe to be furnished by the contractor is cut just long enough to fit the occasion and taking into consideration the cast iron closet flange, which we furnish. The stud bolts are furnished in lengths suitable to the specifications given us.

K-90AB Hanger Support for Blowout Bowl is reamed out large enough for 4" wrought iron pipe to slip through, then fastened in place with set screw. Two set screws can be furnished at same price, if desired.

The Closet Flange is screwed on to the pipe. Stud bolts have non-removable nuts, which is very desirable for Penal Institutions.

LIST PRICES

K-90AB—Price complete with N. P. nuts and washers, ⅝" stud bolts, closet flange and gasket, but no test cap. $5.50

Closet Flange alone with gasket 1.50

For chrome cap nuts and washers, add..... .60

For white metal cap nuts and washers, add..... 1.50

For bolts wanted for finished wall over 6-inch thickness, add per inch..... .20

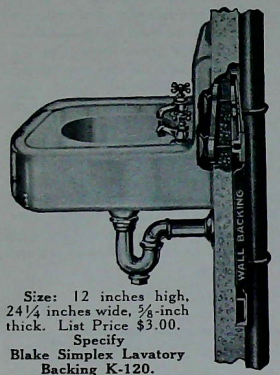
For carrier all galvanized, add 3.00

Approximate weight ..... 16 lbs.

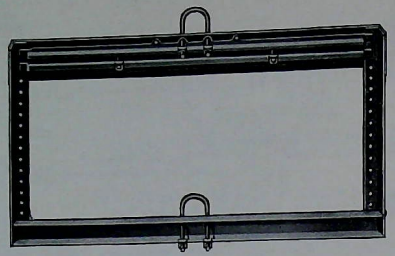
All of the variations, extras, etc., as mentioned under K-88A, on page 34, are applicable to above chair, and at same prices.

Hy-Tech Products

K-120—Blake Simplex Lavatory Backing

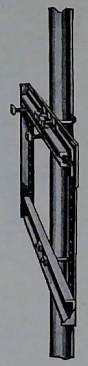


Size: 12 inches high, 24¼ inches wide, ⅝-inch thick. List Price $3.00.
Specify Blake Simplex Lavatory Backing K-120.



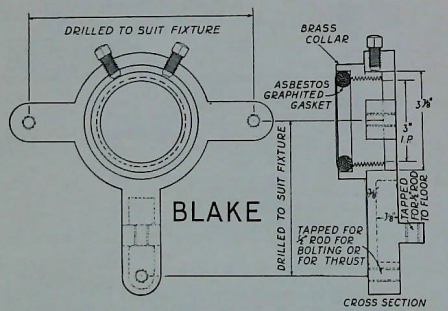
Support—A rigid painted steel frame, attached to the vent pipe. The frame is built into metal lath and plaster, gypsum or tile partitions and carries the weight and leverage of the lavatory bracket supports. The Sliding Bar has a 9-inch adjustment vertically. Hanger bolts are adjustable horizontally in a groove in the Sliding Bar.

Use: For rigid lavatory support in light partitions.



K-90U—Urinal Support

Extra Heavy



K-90U

This is a convenient little hanger for Wall Urinals, and low in price.

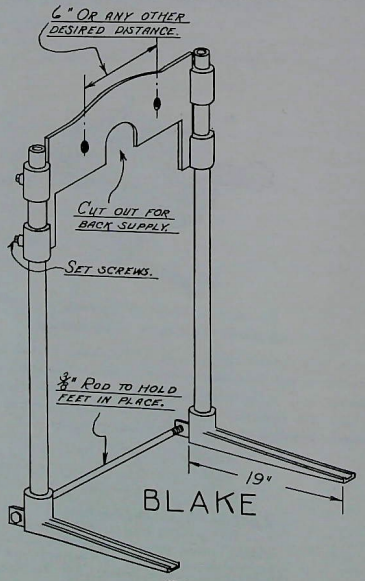
List Prices

Furnished complete with Gasket, Bolts, N. P. Cap Nuts and Washers—no Rods to floor, (wt. 18 lbs.)..**$7.00**

If Chrome Plated Nuts and Washers are wanted, add.... **.60**

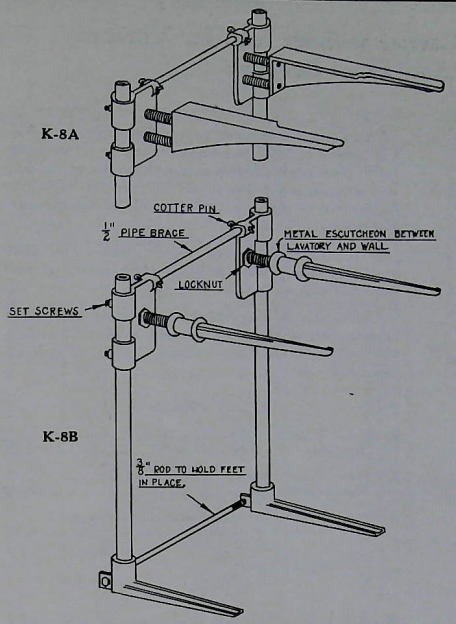
If White Metal Nuts and Washers are wanted, add..... **1.50**

K-9—Blake Urinal Carrier Chair



K-9

For use with Hanging Stall Urinals—strong, reliable. Furnished complete **$10.00**
Approximate weight 50 lbs.



K-8A — K-8B—Blake Lavatory and Sink Carriers

Here is a very sturdy carrier for all types of fixtures, especially those requiring a wide spread. K-8B is furnished with a malleable iron concealed bracket, and can be fit to any fixture requiring same. Note that space between lavatory and wall is filled in with a neat heavy metal escutcheon of either brass or white metal in any finish. K-8A is for exposed brackets, which are also furnished to fit any fixture. Brackets can be furnished either white or colored Duco paint or vitreous enamel. This carrier is adaptable for special fixtures, such as scrub-up hospital sinks, etc., where special bracket is furnished, and can be made to fit the required measurement of any fixture.

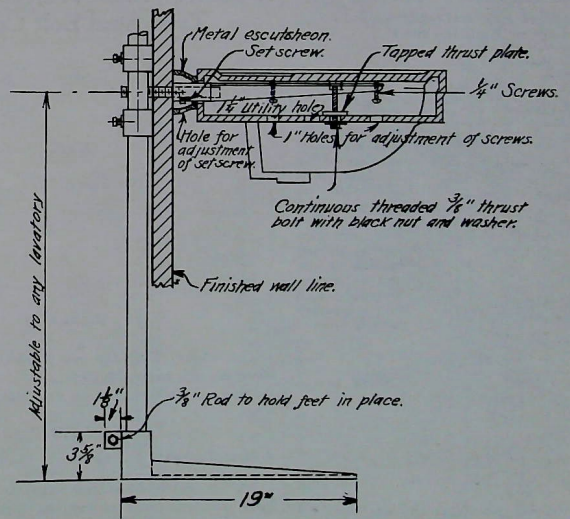
LIST PRICES

K-8A—Complete with Duco brackets..... **$12.00**

K-8B—Complete with concealed brackets.... **12.00**

Add to list for vitreous enameled brackets of exposed type **2.50**

Approximate shipping weight, 60 pounds.

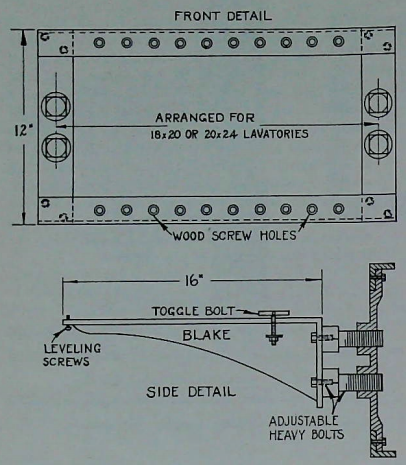


K-8B—Blake Lavatory Carrier Arranged for Concealed Brackets

The above illustration is for the purpose of showing not only construction of Carrier, but also the installation of the concealed Carrier Arms.

Hy-Tech Products

K-8½A—Blake Lavatory Carrier without feet, for Vitreous Lavatories without Floor Support



This Carrier or support is somewhat similar to K-8½, but instead of depending on the vent pipe for its security, it is arranged for fastening with screws to studding and a crosspiece which should be provided, or it may be secured to masonry or hollow tile by using expansion or toggle bolts.

It is made of cast iron, sturdy construction, fitted with four sets of adapter bolts, which permit of wall thickness adjustment.

Unless otherwise specified, all Lavatory carriers or supports are shipped for one-inch thick wall or less, but we can furnish longer adapter bolts if so ordered. Weight, 35 lbs.

LIST PRICES

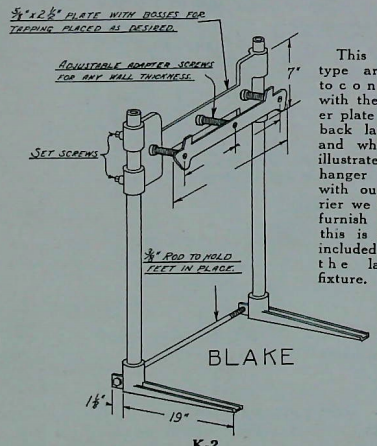
K-8½A—Price complete with White Duco Brackets for 18-inch lavatory ..... $ 9.00

K-8⅛A—Price complete with White Duco Brackets for 24-inch lavatory 10.00

If Vitreous White Enameled Brackets are wanted, add to either of above, per pair..... 2.50

K-2—Blake Lavatory Carrier

With Pipe and Feet and Adjustable Adapter Bolts to Take Care of Wall Thickness



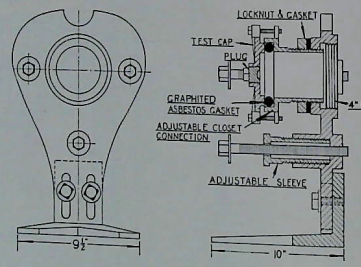
K-2

This is a type arranged to connect with the hanger plate of flat back lavatory, and while we illustrate the hanger plate with our Carrier we do not furnish it, as this is always included with the lavatory fixture.

K-2—Carrier complete with pipe, feet and adjustable adapter bolts for either 18" or 24" lavatories $9.00

Weight about 35 lbs.

K-88AA—Blake Adjustable Sleeve Type Stud Bolt Carrier



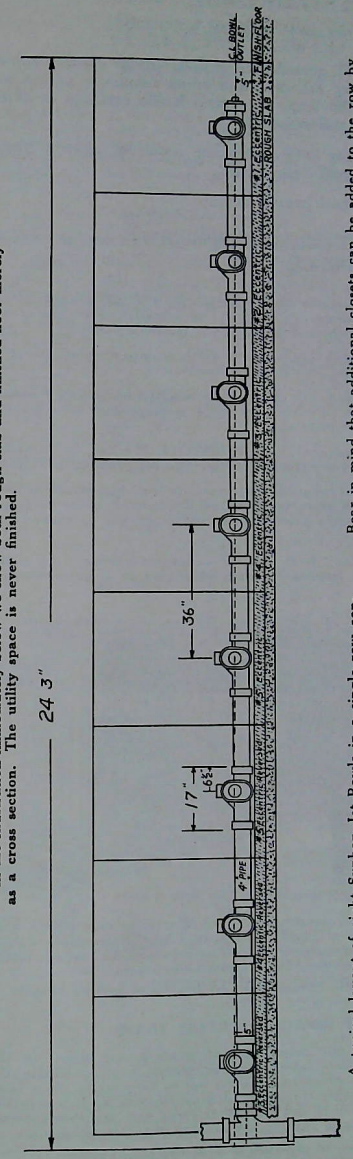
K-88AA

The above illustrates our K-88AA closet carrier. Made up with adjustable sleeves for the stud bolts. This feature can be furnished on any Blake closet support.

LIST PRICE

Add to list price of any carrier chair, each..... $4.00

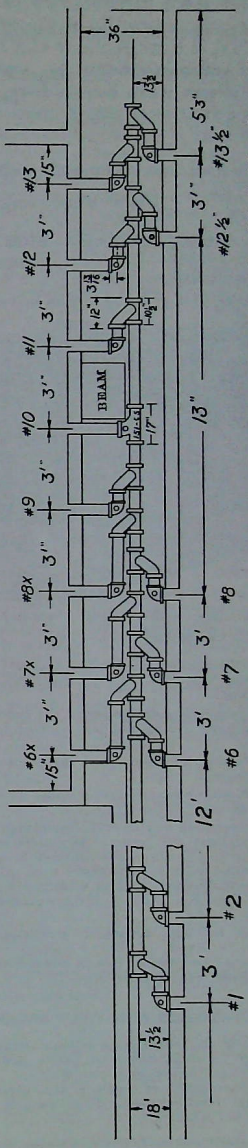
NOTE: All Blake carrier chairs are furnished regularly with our patented test cap with heavy lock nut and asbestos gasket on outside of adjustable threaded closet connection. All of these important features on Blake carriers mean a real saving in labor on the job.



In the Illustration immediately below we show both rough slab and finished floor merely as a cross section. The utility space is never finished.

A typical layout of eight Syphon Jet Bowls in a single row connected with BLAKE TY Type Fittings for iron pipe. Double fittings for back-to-back rows of closets can also be furnished and arranged in the same manner. Note how solid faced tappings staggered at each position provides for the fall in the waste line.

Bear in mind that additional closets can be added to the row by setting closet bowls an inch higher, and that another one-half inch height of waste line can be gained by chipping out the concrete for the bead of the fitting to rest in.



Here is an actual installation in the Court House located in St. Paul, Minn. We illustrate this to show the flexibility of various fittings of our long line.

Note an obstacle (a large beam) prevented the usual run of waste line and double fittings, on account of the peculiar utility space, so we got around this by using Universal Fittings as specified in the general run of the waste line and placed a BLAKE TY Type Fitting in front of the beam.

We are constantly making layouts for difficult jobs. Just send in the plan or rough sketch showing what is expected, together with the space provided for same, and we will do the rest. No installation is new to us.

All closet fittings tapped for iron pipe are straight threads—not pitched.

BLAKE IMPROVED PATENTED GREASE TRAP

Equipped With Our Patented Baffle Retarder and Sediment Intercepter.

The retarder acting as a baffle also reverses the flow of the stream, which slows it down, enabling nearly a perfect separation of grease and water.

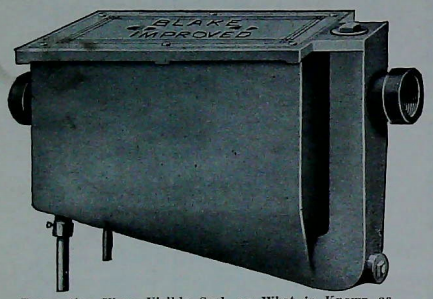
It also catches all heavy sediment, such as small particles of dishes, oyster shells, bones, heavy fat, etc., and when skimming grease out of the trap, the entire baffle retarder is lifted out and emptied.

The interception of sediment always keeps the outlet trap clean.

Not an experiment, but a tried and proven article.

MOST SANITARY—MOST EFFICIENT—MOST CONVENIENT ABSOLUTELY ODORLESS

Will recover up to 97% or better of pure grease.



Perspective View—Visible Seal, or What is Known as an Open Trap
Patented Nov. 29, 1932, No. 1,889,601.

A system that continuously intercepts sediment, thus preventing the fat layer from becoming polluted through fermentation.

It is not water jacketed, therefore saves the expense of labor and additional piping and connections from cold water supply.

It keeps your waste lines clear, and the recovered grease has a commercial value.

No expense for maintenance—just a little time in skimming off the grease.

The whole top comes off and no under shoulders are left where accumulations can gather. All covers from K-136 and smaller sizes are made water-tight and secure by heavy brass bolts and depressed nuts, which provides a continuous smooth surface when traps are set flush in floors. Sizes K-137 and K-138 are furnished without covers.

We will arrange for tight covers, if demanded, at extra charge.

Very easy to install and can be placed above or below the floor, or flush with floor surface.

Operates perfectly, regardless of usable water temperatures, and saves its cost annually, where the grease problem is large enough to sell the grease.

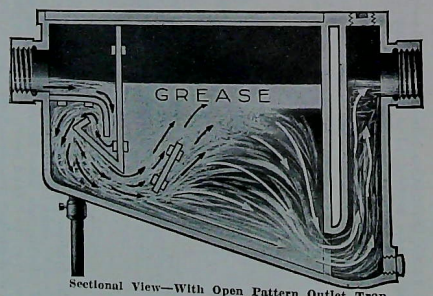
Made in all sizes to accommodate a water flow from 250 to 30,000 gallons per hour.

No. K-129 is especially adapted for ordinary homes, while all other sizes range in accordance with requirements demanded.

The sizes from K-129 to K-134 can be furnished vitreous enameled inside. See list price on next page.

For reference we can give you the names of over 1,000 users, some of them dating back fifteen years and on up to present sales, and every one a satisfied customer.

Many have and are adding new traps right along. The traps are doing their duty in Packing Houses,



Sectional View—With Open Pattern Outlet Trap

Soap Factories, Rendering Works, Sausage Plants, hundreds of Hotels, Hospitals, Clubs, Restaurants, Lunch Counters, etc., and in the Barracks, Camps, Hospitals, etc., of the United States Government.

Fully protected by United States Letters Patent.

STATISTICS AND YIELD REGARDING BLAKE IMPROVED GREASE TRAPS

The yield of fat of skimmings from sausage makers, butcher shops, etc., is 45%, and from hotels, restaurants, hospitals, private institutions, etc., 60%.

In restaurants, figuring three meals a day, averaging 300 diners per meal, the skimmings amount to about 155 pounds per week.

In the installation of small grease traps, or the moderate interception of grease, commercializing the fat is of no importance, but to keep waste pipes from becoming clogged is of deep concern, as it is very expensive to call a plumber every now and then to open up waste lines, to say nothing of the inconvenience.

Lye or other Cleansing Products of similar character should not be permitted to waste into Grease Traps, as such compounds coming in contact with grease will form hard soap and eventually cause stoppage

GREASE IS MONEY—DON'T RUN IT INTO THE SEWER—RECOVER IT

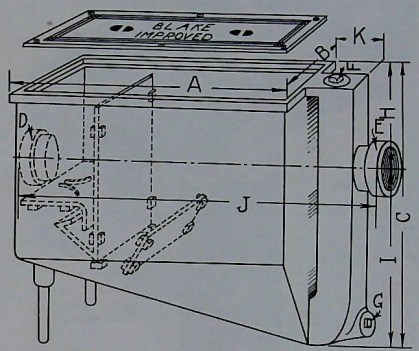
— With Our —

BLAKE IMPROVED PATENTED GREASE TRAP

The Perfect and Convenient Interceptor. Will Last a Lifetime and Costs Nothing to Maintain.

How It Operates

Construction of the strong cast iron basin is such that the grease water entering at inlet strikes a baffle plate, deflecting it downward and into a retarder, which intercepts heavy sediment and then reverses and slows down the flow where it comes in contact with the water



This Illustration is for reference to dimension table of sizes, shown at bottom of this page

already in basin. The warmer water rises with the grease, which is lighter than water and remains at the top. The cooler water, less sediment, is precipitated along the sloping converging bottom and flows off automatically, leaving the clear grease in the basin, which can be skimmed off without interrupting the flow.

By continuously intercepting sediment and dirt from the waste water a major source of foul odors is removed. Our traps are absolutely odorless, and by intercepting the grease fat or oil the waste pipes are kept clean, eliminating that item of expense.

Where the grease recovery is large enough to commercialize it a steady revenue is obtained, thereby making the trap pay for itself at regular periods.

TESTS OF THE PAST SHOW THAT THE SQUARE BASIN IS THE IDEAL CONSTRUCTION FOR QUIETING THE LIQUID, AND THUS SECURING THE GREATEST RECOVERY. THIS CONSTRUCTION IS MANUFACTURED EXCLUSIVELY BY US.

Square basins also have larger cubic contents than oval or round construction.

Endorsed by all leading architects and engineers, also by the thousands of satisfied users. Absolutely guaranteed by us.

Our Recommendations for Installations

Size K-129—for small homes and apartments or other small requirements.

Sizes K-130 or 131—for large residence kitchen sinks, apartments, or similar small sinks in hotels, hospitals, clubs, etc.

Size K-132—for largest residences, small dish-washing machines, and small sinks in hotels, clubs, restaurants, etc.

Size K-133—for medium size dish-washers, large sinks in hotels, clubs, restaurants, etc.

Size K-134—for large dish-washers, combinations of 2, 3 or 4 slop or dish sinks or steam kettles, or other combinations of not too large proportions.

Size K-135—for the entire kitchen of hotels or other large grease problems.

The largest sizes, K-136 to K-138, are for large packing plants, refineries, soap factories, etc., where a heavy continuous amount of grease is encountered.

Care should be taken to order traps of proper size, so as not to crowd them, and where piping is discharging into them with too much velocity, slow it down with one or more elbows.

If trap receives a heavy head of water or is located so water has quite a drop before entering trap, slow it down as indicated above.

SIZES AND DIMENSIONS

Type No.	Capacity Water Per Hour	Lbs. of Fat	DIMENSIONS IN INCHES A	B	C	D	E	F	G	H	I	J	K	Weight Pounds	LIST PRICE Enameled Painted In and Out	Vitreous Enameled Inside	If Vitreous Enameled In and Out
K-129	250	15	13½	11½	10	1½	1½	1½	1½	3	7	17	2½	50	$ 25.00	$ 42.00	$46.00
K-130	500	25	15½	11½	12	2	2	1½	1½	3	9	19	2½	75	46.00	70.00	77.00
K-131	700	35	16½	14	15	2	2	1½	1½	3	12	20	2½	120	65.00	95.00	108.00
K-132	950	60	20	14	20	3	3	2	2	4½	15½	26	4	200	97.00	135.00	150.00
K-133	1500	100	23	18	21	3	3	2	2	4½	16½	29	4	300	156.00	210.00	230.00
K-134	2500	150	27	25	27	4	4	2	2	6	21	37	5	500	275.00	350.00	375.00
K-135	4000	250	38	32	34	6	6	3	3	8	26	50	7	900	470.00	------	------
K-136	9000	400	47	42	40	6	6	3	3	10	30	58	7	1250	730.00	------	------
K-137	15000	900	72	48	48	6	6	3	3	10	38	88	7	3000	1254.00	------	------
K-138	30000	1500	108	60	55	8	8	6	6	12	43	128	9	4500	2288.00	------	------

Also furnished with Hub or Spigot Ends. Please specify your openings or we will ship with Iron Pipe Tappings.
If Malleable Iron Covers are wanted, add 10% to List Prices of Regular Painted Traps.
If Safety Pans are wanted around body near top, add 10% to List Prices of Regular Painted Trap.
Anchor plates for concrete floors—no extra charge.

REPAIR PARTS

	K-129	K-130	K-131	K-132	K-133	K-134
Extra Covers only	$3.00	$4.00	$5.00	$8.00	$10.00	$15.00
Extra Baffle Plates	1.50	2.00	2.75	4.00	6.00	8.00
Gaskets	.70	.80	1.00	1.50	2.30	3.50
Inside Shelf Water Spreader	1.50	2.00	2.75	4.00	6.00	8.00
Baffle Retarder	2.00	2.70	3.20	5.00	7.50	10.00
Small Flat Baffle	1.00	1.30	1.50	2.50	3.50	5.00

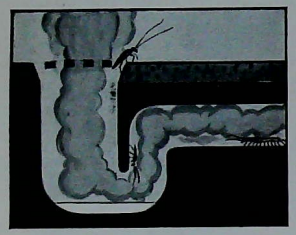
Lye or other Cleansing Products of similar character should not be permitted to waste into Grease Traps, as such compounds coming in contact with grease will form hard soap and eventually cause stoppage.

Hy-Tech Products

K-525—PHILLIPS FLOOR DRAIN PRIMER
List Price $5.00

Maintains Constant Water Seal in Drain Traps

The Phillips Automatic Trap Seal Valve scientifically eliminates the last hazard in modern plumbing. Without attention, it replenishes the water seal in the traps of floor drains and other little-used fixtures. Constant seals are necessary to prevent the entry into house and buildings of gases and disease-bearing vermin from the sewer.



Unsafe

Danger lurks here. The water seal in this basement drain trap has partially evaporated, leaving an open passageway into the house for sewer gases and vermin.

Safe

This trap is sealed. The Phillips Automatic Trap Seal Valve periodically replaces water that has evaporated. The water seal forms an impenetrable barrier. Gases and vermin cannot enter this house.

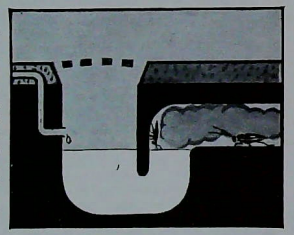
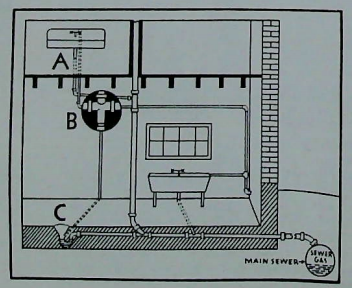
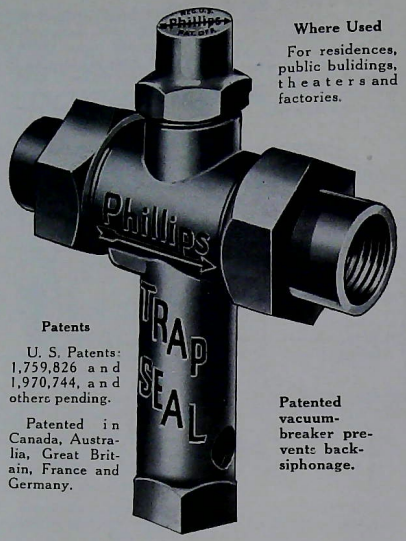


Diagram of Installation and Operation

The diagram shows how the Phillips Automatic Trap Seal Valve protects the occupants of the house. When water is drawn at a frequently-used fixture (see A), the water flowing through the Phillips Automatic Trap Seal (see B) forces up a piston. The piston opens a valve, which allows the required amount of water to flow into the drain trap (see C). When water is no longer drawn at the fixture, the piston closes the never-leak valve, stopping the flow of water into the trap.





Where Used

For residences, public bulidings, theaters and factories.

Patents

U. S. Patents: 1,759,826 and 1,970,744, and others pending.

Patented in Canada, Australia, Great Britain, France and Germany.

Patented vacuum-breaker prevents back-siphonage.

Application

Wherever there are plumbing systems with infrequently-used drains or other fixtures.

Function

To maintain constant water seals in the traps of floor drains and other little-used fixtures.

Size

One size; ½-in. female unions on supply ends, ½-in. female tapping on outlet end; also available with ¾-in. male unions on supply ends.

Installation

Install in the cold water supply line running to a frequently-used fixture, such as a kitchen sink or toilet.

Details of Construction and Operation

The Phillips Automatic Trap Seal Valve has only one moving part, a piston. When water is drawn at the plumbing fixture in whose supply line the valve is installed, the flow of water forces up the piston. This action opens a small aperture through which a small amount of water flows into the pipe extending to a trap. The valve discharges approximately two-thirds of a pint of water per minute of operation at 50 lbs. pressure.

The drain connection of the valve has an opening to the atmosphere. This eliminates a sealed connection between the supply line and drain, making back siphonage impossible.

The valve is made of cast brass. It is self-cleaning, and the valve seat fits tighter with wear. It cannot leak and will outlast the building in which it is installed.

BLAKE STRAINER STYLES

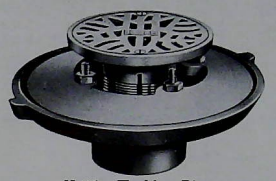
Fixture manufacturers have given out a large amount of publicity as to the beauty of design of their ware. We, as drain manufacturers, have noticed the trend in this direction and have redesigned the strainers on our brass covered drains with new artistic patterns to blend with the beauty of modern fixture equipment. Heretofore, drain manufacturers have given no study to this phase of their business, merely furnishing strainer tops with bar strainers, etc., suitable for taking care of drainage only.

Blake designers in developing the new STAR STRAINERS have gone several steps further by incorporating beauty features along with increased weight to give more strength. We illustrate here the new STAR STRAINER which is made in all diameters; it is also made in all finishes, including white metal, when required.

The blending of this beautiful strainer with a tile or terrazo floor brings both style and beauty to the room.

This strainer is furnished regularly with all Blake drains of the adjustable threaded neck type.

BLAKE FLASHING RINGS

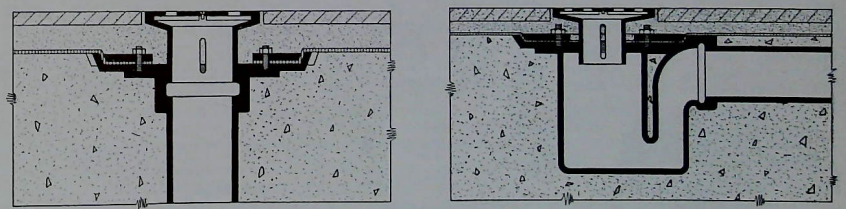


K-25—Flashing Ring

The market is flooded with all different types of flashing rings, all serving the purpose in a way. After years of investigation and experimenting by Blake Engineers, the result of which is the method illustrated herein. Take notice that all flashing rings are made tight by installing ring properly drilled over stud bolts imbedded in pan of safety waste drain, and then drawn tight with brass nuts, thus insuring a perfectly flashed job without in any way injuring the flashing membrane.

All Blake flashing rings are made wide and extra heavy with adequate clearance between edge of pan and stud bolts to insure a perfect joint between flashing membrane and drain. Take note, also, that all weep holes are machined in strainer neck and closed with a soluble substance to prevent seepage of fine concrete during construction period. This soluble substance automatically removes itself as soon as drain is placed in service. All Blake drains having double drainage pans can be furnished with flashing rings at slightly additional cost. List prices for this additional cost is tabulated with each drain shown.

SPECIFY BLAKE BY PLATE NUMBER



Illustrating proper method of flashing any type Blake safety waste drains

In order to properly illustrate the proper method of flashing Blake Safety Waste Drains, we have prepared the above descriptions. It is essential to flash all rooms in which safety waste drains are used that have a room below. Flashing material, while preferably sheet lead, can be sheet copper, and where strict economy is necessary, sheet asphalt, or any non-deteriorating membrane can be used. Care should be taken at all times during construction to see that this membrane is in no way punctured. This work, properly done with Blake flashing ring, is a guarantee of a permanent leak-proof job for all time. Note that it is not necessary to punch holes in membrane, as the overlapping edge of flashing ring secures same to drain flange permanently.

Hy-Tech Products

Blake Brass Special Screw Neck Strainer Heads for Use with Our Various Drains

K-1163

K-1164

K-1165

LIST PRICES FOR K-1163

If ordered with complete drain, add the following to the list price of the drain.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00
Chrome plated	1.60	1.60	1.60	1.70	1.80	2.00	2.50	3.00	3.50	4.00	5.00
White Metal	2.50	2.50	2.50	2.75	3.00	3.75	4.50	5.25	6.00	6.75	9.50

If K-1163 is ordered alone the following list prices apply.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$4.00	$4.00	$4.00	$4.50	$5.00	$6.50	$8.00	$9.50	$11.00	$12.50	$18.00
Chrome plated	4.60	4.60	4.60	5.20	5.80	7.50	9.50	11.50	13.50	15.50	22.00
White metal	5.50	5.50	5.50	6.25	7.00	9.25	11.50	13.75	16.00	18.25	30.50

LIST PRICES FOR K-1164

If ordered with complete drain, add the following to the list price of the drain.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$2.50	$2.50	$2.50	$2.75	$3.00	$3.75	$4.50	$5.25	$6.00	$6.75	$9.50
Chrome plated	3.10	3.10	3.10	3.45	3.80	4.75	6.00	7.25	8.50	9.75	13.50
White metal	4.00	4.00	4.00	4.50	5.80	7.50	9.00	9.50	11.00	12.50	18.00

If K-1164 is ordered alone the following list prices apply.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$5.50	$5.50	$5.50	$6.25	$7.00	$9.25	$11.50	$13.75	$16.00	$18.25	$26.50
Chrome plated	6.10	6.10	6.10	6.95	7.80	10.25	13.00	15.75	18.50	21.25	30.50
White metal	7.00	7.00	7.00	8.00	9.00	12.00	15.00	18.00	21.00	24.00	35.00

LIST PRICES FOR K-1165

If ordered with complete drain, add the following to the list price of the drain.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$1.00	$1.00	$1.00	$1.18	$1.34	$1.85	$2.35	$2.85	$3.35	$3.85	$5.65
Chrome plated	1.60	1.60	1.60	1.88	2.14	2.85	3.85	4.85	5.85	6.85	9.65
White metal	2.50	2.50	2.50	2.93	3.34	4.60	5.85	7.10	8.35	9.60	14.15

If K-1165 is ordered alone the following list prices apply.

	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. or nickel plated	$4.00	$4.00	$4.00	$4.68	$5.34	$7.35	$9.35	$11.35	$13.35	$15.35	$20.65
Chrome plated	4.60	4.60	4.60	5.38	6.14	8.35	10.85	13.35	15.85	18.35	24.65
White metal	5.50	5.50	5.50	6.43	7.34	10.10	12.85	15.60	18.35	21.10	29.15

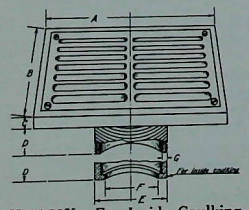
K-1168

K-1168

This special strainer head is suitable for any of our floor drain bodies or with an independent trap.

LIST PRICES FOR K-1168

Size	Pol Brass or N P.	Chrome Plated	White Metal	Weight
4x4-in.	$ 3.75	$ 4.35	$ 5.60	1½ lbs.
6x6-in.	6.50	7.50	9.75	4½ lbs.
8x8-in.	10.60	12.60	16.00	8 lbs.


K-1168X—For Inside Caulking

K-1168X

This pattern is identically the same as the K-1168 above, except that it can be caulked to the waste line and does not require a drain body.

LIST PRICES FOR K-1168X

Size	Pol. Brass or N. P.	Chrome Plated	White Metal	Weight
4x4-in.	$ 3.75	$ 4.35	$ 5.60	1½ lbs.
6x6-in.	6.50	7.50	9.75	4½ lbs.
8x8-in.	10.60	12.60	16.00	8 lbs.

K-1166

K-1166—Blake Strainer Neck

These pages are intended to show the large variety of strainers and strainer necks we are prepared to furnish. On this page we print a short rate chart making it easy to arrive at the price of special items. While in compiling this catalog we believe we have illuminated most of the reference paragraphs relating to strainer diameters, etc., we feel that occasionally it will be necessary to refer to this page.

All BLAKE strainer necks are machined with regular iron pipe threads, making it easy to reconstruct for any desired objective.

LIST PRICES

When ordered alone and not with a drain.

Diameter Top	3-in.	3½-in.	4-in.	4½-in.	5-in.	6-in.	7-in.	8-in.	9-in.	10-in.	12-in.
Pol. Brass or N. P.	$3.00	$3.00	$3.00	$3.50	$4.00	$5.50	$7.00	$8.50	$10.00	$11.50	$17.00
Chrome Plated	3.60	3.60	3.60	4.20	4.80	6.50	8.50	10.50	12.50	14.50	21.00
White Metal	4.50	4.50	4.50	5.25	6.00	8.25	10.50	12.75	15.00	17.25	25.50

Longer shanks than 2-inch, add 50c to list for each extra ½-inch.

K-1167

K-1167—Blake Shower Drain

Same as K-1166 above, except outlet thread is tapped female, and sold alone for direct contact with waste pipe or trap. Is five inches wide. Total depth 3 inches.

LIST PRICES

	Polished Brass or Nickel Plate	Chrome Plated
1½-inch Iron Pipe	$2.50	$3.30
2 -inch Iron Pipe	3.00	3.80

K-1167S

K-1167S—Blake Shower Drain

This drain is known as the Texas Special shower drain. It is of small size, all brass, and is less a trap and is furnished with 1½ or 2-inch female I. P. thread.

LIST PRICES AND DIMENSIONS

Size Outlet	Diameter Overall	Diameter Strainer	Depth	Weight	Pol Brass or N. P.	Chrome Plated
1½-in.	3¾	3 1/16	1¼	1 lb.	$1.10	$1.20
2 -in.	3¾	3 1/16	1¼	1 lb.	1.30	1.60

Handy and Short-Cut Table to Determine Price Changes

Not Regularly Listed

For Square Flange in Roof or other Drains, add 5% to list prices.
For Side Outlet on Roof or other Drains, add 25% to list prices.
For Square Flange and Side Outlet, add 30% to list prices.
If any cast iron unit is to be Malleable Iron—double the Cast Iron list price.
If any cast iron unit is to be All Copper—double All Brass list price.
If any Items wanted in Everdur Acid Resisting Metal, add 50% to All Brass list prices.
If any Items wanted in Monel Metal—4 times list price of All Brass.
If any Items in Cast Steel—3 times list price of Cast Iron.
If any Items Cadmium Plated—double Galv. list prices.

List prices for Nickel-Plate or Brass Strainers and Heads which quickly determine what to add or subtract, due to change of Strainer size on Drains; and said lists are also correct when Regular Round or Square Strainer and Heads are bought alone.

Dia. Top	Round	Square	Chrome Plating
3″	$ 3.00	$ 3.75	$ .60
3½″	3.00	3.75	.60
4″	3.00	3.75	.60
4½″	3.50	4.30	.70
5″	4.00	5.00	.80
6″	5.50	6.50	1.00
7″	7.00	8.75	1.50
8″	8.50	10.60	2.00
9″	10.00	12.00	2.50
10″	11.50	14.40	3.00
12″	17.00	21.25	4.00

Other Changes on Brass Strainer and Heads

For Hinging any Round Strainer, Brass or Iron, not already included in any complete unit price, add $1 list.

For Hinging any Square Strainer, Brass or Iron, not already included in any complete unit price, add $1.50 list.

For Solid Top Covers, adjustable heads with Strainer underneath, add 50% to Strainer and Head list prices shown opposite.

Hinging Extra as per list prices for Hinging.

For Solid Cover on non-adjustable Heads—add 50% of Grate price.

For White Metal Strainers and Necks, add 50% to regular list prices of Brass Strainer and Necks shown opposite.

For Bee Hive or Dome Strainer, add 33-1/3% to Strainer and Head prices shown opposite.

For Concave or Convex Strainers, add 10% to Strainer and Head list prices shown opposite.

For longer shanks than regular (which are threaded 2″ long) add 50c to list for every ½″ beyond the 2″ length.

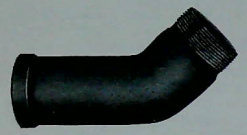
SOIL PIPE CONNECTORS

For use on any type drain to convert for soil pipe use, where occasion demands. Made in all sizes, extra heavy, and nicely machined. Can be furnished in any standard metal.

K-5
Spigot Connector

LIST PRICE FOR K-5

Size	Iron	Galvanized	Brass	Weight
2	$ .70	$ .90	$ 1.75	2 lbs.
3	1.00	1.30	2.50	3 lbs.
4	1.50	2.20	4.00	5 lbs.
5	2.10	3.10	5.60	7 lbs.
6	2.70	3.90	7.20	9 lbs.
8	4.50	6.60	12.00	15 lbs.



K-7

LIST PRICES FOR K-7

Size	Black	Galvanized	Brass	Weight
2-inch	$1.20	$1.70	$ 3.20	4 lbs.
3-inch	1.80	2.60	4.80	6½ lbs.
4-inch	2.70	3.90	7.20	8 lbs.
5-inch	3.30	4.80	8.80	12 lbs.
6-inch	4.20	6.10	11.20	15 lbs.

K-1694
Hub Connector

LIST PRICE FOR K-1694

Size	Iron	Galvanized	Brass	Weight
1½x1½	$ .60	$ .85	$ 2.00	
2x1½	.75	1.05	2.60	
2x2	.85	1.20	3.00	3 lbs.
3x3	1.40	1.90	4.50	4½ lbs.
4x4	1.50	2.00	7.00	5½ lbs.
5x5	2.00	2.75	10.00	6½ lbs.
6x6	2.50	3.50	12.00	9 lbs.
8x8	5.00	6.80	16.00	15 lbs.

K-1686—Blake Insertable Joints

For Durham Work

K-1686

LIST PRICES

Size	Tap	Hub	Price
Size	1½-inch	1½-inch	$ .44
Size	1¼-inch	2 -inch	.48
Size	1½-inch	2 -inch	.48
Size	2 -inch	2 -inch	.66
Size	2 -inch	4 -inch	.94
Size	3 -inch	4 -inch	1.00
Size	4 -inch	4 -inch	1.10

K-1665—Blake Tapped Spigots

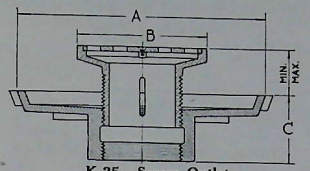
Standard Spigot to Fit Standard or Extra Heavy Hub

K-1665

LIST PRICES

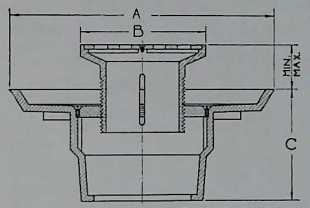
Size	Tap	Spigot	Price
Size	1¼-inch	2-inch	$ .18
Size	1½-inch	2-inch	.18
Size	2 -inch	2-inch	.36
Size	1½-inch	4-inch	.58
Size	2 -inch	4-inch	.58
Size	3 -inch	4-inch	.58

K-25

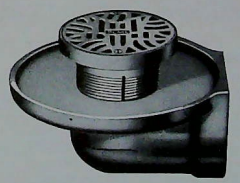


K-25—Screw Outlet

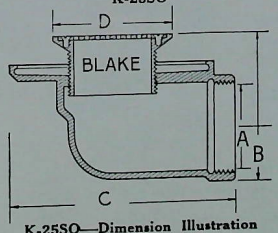
K-25



K-25—Hub Outlet



K-25SO



K-25SO—Dimension Illustration

K-25—Blake Safety Waste Floor or Shower Stall Drains

Government Specifications: WW-P-541, E-10p (2) Fig. 74

With or without flashing rings. For floors, porches and showers where drain is installed without integral trap. This drain is shown with both screwed and hub outlet and can be furnished with any type strainer. If back water valve is needed, see K-1801 for soil pipe, or K-1802 for screwed pipe. These drains make an excellent combination when used with our K-80 or K-82 deep seal traps. Notice the large assortment and diameters of strainers which can be furnished. Ample adjustment is allowed on strainers for floor levels.

SPECIFICATIONS AND LIST PRICES

State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or Nickel Plate Strainer	Galvanized Body, Pol. Brass or Nickel Plate Strainer	Cast Brass Body, Pol. Brass or Nickel Plate Strainer	Add For White Metal Strainer	Add For Chrome Plated Strainer	Approx. Weight
1½-in.	4 -in.	$ 6.50	$ 7.50	$11.00	$1.50	$ .60	7 lbs.
1½-in.	4½-in.	7.00	7.50	11.00	1.75	.70	7 lbs.
1½-in.	5 -in.	7.50	8.50	11.00	2.00	.80	7½ lbs.
1½-in.	6 -in.	9.00	10.00	13.50	2.75	1.00	8 lbs.
2 -in.	4 -in.	6.50	7.50	11.00	1.50	.60	7 lbs.
2 -in.	4½-in.	7.00	8.50	11.50	1.75	.70	7 lbs.
2 -in.	5 -in.	7.50	8.50	12.00	2.00	.80	7 lbs.
2 -in.	6 -in.	9.00	10.00	13.50	2.75	1.00	8 lbs.
2 -in.	7 -in.	10.50	12.50	14.00	3.00	1.50	9 lbs.
2 -in.	8 -in.	12.00	13.50	15.00	4.25	2.00	10 lbs.
3 -in.	4 -in.	8.00	9.50	14.00	1.50	.60	11 lbs.
3 -in.	4½-in.	8.50	10.00	14.50	1.75	.70	11 lbs.
3 -in.	5 -in.	9.00	10.50	15.00	2.00	.80	12 lbs.
3 -in.	6 -in.	10.50	12.00	16.50	2.75	1.00	12½ lbs.
3 -in.	7 -in.	12.00	13.50	18.00	3.50	1.50	13 lbs.
3 -in.	8 -in.	13.50	15.00	19.50	4.25	2.00	14 lbs.
4 -in.	5 -in.	10.00	12.00	16.50	2.00	.80	12½ lbs.
4 -in.	6 -in.	11.50	13.50	18.00	2.75	1.00	13 lbs.
4 -in.	7 -in.	13.00	15.00	19.50	3.50	1.50	14 lbs.
4 -in.	8 -in.	14.50	16.50	21.00	4.25	2.00	15 lbs.
4 -in.	10 -in.	17.50	19.50	24.00	5.75	3.00	16 lbs.

If flashing rings are wanted, add for black $1.00; for galvanized $1.50; for brass $2.50.

SIZES AND DIMENSIONS—SCREWED OUTLET

Outlet	A	B	C	Minimum	Maximum
1½ - 2-in.	7¾	4½	2¾	7/8	1¾
3 -in.	9⅜	5	2¾	1½	2⅜
4 -in.	10⅝	6	2¾	1¼	2

SIZES AND DIMENSIONS—HUB OUTLET

Outlet	A	B	C	Minimum	Maximum
1½ - 2-in.	8⅞	4½	3¾	¾	2¼
3 -in.	10½	5	4	1	2½
4 -in.	13¼	6	4½	1¼	2½

K-25SO—Blake Safety Waste Floor or Shower Stall Drains

Same drain as our K-25 above, except same is made in side outlet for screw pipe only. Outlet can be furnished with adapters for hub or spigot connection when so ordered.

SPECIFICATIONS AND LIST PRICES

State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or Nickel Plate Strainer	Galvanized Body, Pol. Brass or Nickel Plate Strainer	Cast Brass Body, Pol. Brass or Nickel Plate Strainer	Add For White Metal Strainer	Add For Chrome Plated Strainer	Approx. Weight
1½-in.	4 -in.	$ 8.00	$ 9.50	$13.00	$1.50	$ .60	8 lbs.
2 -in.	4 -in.	8.00	9.50	13.00	1.50	.60	8 lbs.
3 -in.	5 -in.	11.00	13.00	18.00	2.00	.80	10 lbs.
3 -in.	6 -in.	12.50	14.50	19.50	2.75	1.00	11 lbs.
3 -in.	7 -in.	14.00	16.00	21.00	3.50	1.50	12 lbs.
4 -in.	6 -in.	14.50	17.00	23.00	2.75	1.00	14 lbs.
4 -in.	7 -in.	16.00	18.50	24.50	3.50	1.50	15 lbs.

SIZES AND DIMENSIONS

Outlet	A	B	C	D
1½-in.	1½	5	8	4
2 -in.	2	5	8	4
3 -in.	3	7	9¼	5
4 -in.	4	7⅛	10¼	6

Hy-Tech Products

K-75—Blake Safety Waste Drain with Trap Integral and Screw Neck Adjustable Strainer

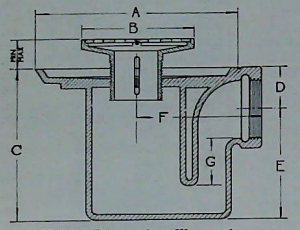
Government Specification WW-P-541, E-10p (2) Fig. 75. No. 448, Fig. 2, Details 2 and 3

K-75

This is the same as K-30, except it is the shallow type for thin slabs. Can be furnished with any diameter or finish of strainer, has a safety pan and is furnished with flashing ring if wanted. Suitable for shower stalls, floors in toilet rooms, urinals, and any place where a floor drain is required in a space with limited depth.

LIST PRICES

State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or N. P. Strainer	Galv. Iron Body, Pol. Brass or N. P. Strainer	All Brass With Pol. Brass or N. P. Strainer	Add For White Metal Strainer	Add For Chrome Plated Strainer
1½-in.	*4 -in.	$12.00	$15.00	$22.00	$1.50	$ .60
1½-in.	4½-in.	12.50	15.50	22.50	1.75	.70
1½-in.	5 -in.	13.00	16.00	23.00	2.00	.80
1½-in.	6 -in.	14.50	17.50	24.50	2.75	1.00
2 -in.	*4 -in.	12.00	15.00	22.00	1.50	.60
2 -in.	4½-in.	12.50	15.50	22.50	1.75	.70
2 -in.	5 -in.	13.00	16.00	23.00	2.00	.80
2 -in.	6 -in.	14.50	17.50	24.50	2.75	1.00
2 -in.	7 -in.	16.00	19.00	26.00	3.50	1.50
2 -in.	8 -in.	17.50	20.50	27.50	4.25	2.00
3 -in.	4 -in.	16.00	19.00	31.00	1.50	.60
3 -in.	4½-in.	16.50	19.50	31.50	1.75	.70
3 -in.	*5 -in.	17.00	20.00	32.00	2.00	.80
3 -in.	6 -in.	18.50	21.50	33.50	2.75	1.00
3 -in.	7 -in.	20.00	23.00	35.00	3.50	1.50
3 -in.	8 -in.	21.50	24.50	36.50	4.25	2.00
4 -in.	5 -in.	21.50	26.10	38.50	2.00	.80
4 -in.	*6 -in.	23.00	27.60	40.00	2.75	1.00
4 -in.	7 -in.	24.50	29.10	41.50	3.50	1.50
4 -in.	8 -in.	26.00	30.60	43.00	4.25	2.00
4 -in.	10 -in.	29.00	33.60	46.00	5.75	3.00



K-75—Dimension Illustration

* Star indicates standard size head furnished with drain when not specified.

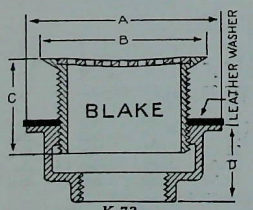
If flashing rings are wanted, add for black $1.00; galvanized $1.50; brass $2.50.

SIZES AND DIMENSIONS

Waste	A	B	C	D	E	F	G	Weight
1½-in.	10 -in.	4-in.	5½-in.	1½-in.	4 -in.	5¾-in.	2 -in.	15 lbs.
2 -in.	10 -in.	4-in.	5½-in.	1½-in.	4 -in.	5¾-in.	2 -in.	15 lbs.
3 -in.	12½-in.	5-in.	7⅛-in.	3⅜-in.	3¾-in.	9 -in.	2¼-in.	25 lbs.
4 -in.	13½-in.	6-in.	12 -in.	4 -in.	8 -in.	10 -in.	3½-in.	35 lbs.

K-73—Blake Drain for Shower and Urinal Receptors

Government Type



K-73

Standard Specifications

Body—Cast brass.
Adjustable Strainer Head—Removable strainer, cast brass.
Outlet—I. P. thread.
Washer—Leather.
Finish—Strainer and top flange polished brass or nickel plated.

Dimensions

Size I. P. Outlet	Strainer Head	A	B	C	D
2"	4⅜"	5⅛"	4⅜"	2½"	2⅛"
3"	4⅜"	5⅛"	4⅜"	2½"	2⅛"

List Prices

Size I. P. Outlet	Polished or Nickel-Plated Brass Str.	Chromium Plated Brass Strainer	White Metal Strainer	Shipping Weight
2" each	$3.70	$4.40	$5.45	3 lbs.
3" each	6.20	6.90	7.95	5 lbs.

Hub Outlets for 2" Pipe, inside caulk—same price as size 3".

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

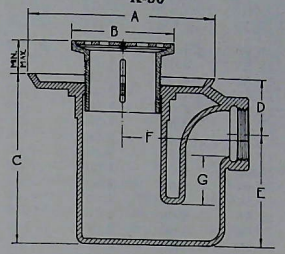
K-30

K-30—Blake Safety Waste Drain with Trap Integral

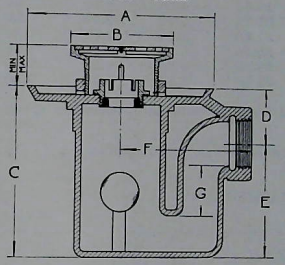
For use in floors, showers, and all places with concrete construction where drain and trap combined is wanted. Made in both plain and back water. Like all Blake safety waste drains, it can be furnished with any type or diameter of adjustable strainer. Furnished either with or without a flashing ring. This drain having a deep seal, is very practical for use in thick concrete slabs.

LIST PRICES

State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or N. P. Strainer	Galvanized Body, Pol. Brass or N. P. Strainer	Cast Brass Body, Pol. Brass or N. P. Strainer	Add For Back Water Valve	Add For White Metal Strainer	Add For Chrome Plated Strainer
1½-in.	*4 -in.	$12.00	$15.00	$22.00	$4.00	$1.50	$ .60
1½-in.	4½-in.	12.50	15.50	22.50	4.00	1.75	.70
1½-in.	5 -in.	13.00	16.00	23.00	4.00	2.00	.80
1½-in.	6 -in.	14.50	17.50	24.50	4.00	2.75	1.00
2 -in.	*4 -in.	12.00	15.00	22.00	4.00	1.50	.60
2 -in.	4½-in.	12.50	15.50	22.50	4.00	1.75	.70
2 -in.	5 -in.	13.00	16.00	23.00	4.00	2.00	.80
2 -in.	6 -in.	14.50	17.50	24.50	4.00	2.75	1.00
2 -in.	7 -in.	16.00	19.00	26.00	4.00	3.50	1.50
2 -in.	8 -in.	17.50	20.50	27.50	4.00	4.25	2.00
3 -in.	4 -in.	16.00	19.00	31.00	4.00	1.50	.60
3 -in.	4½-in.	16.50	19.50	31.50	4.00	1.75	.70
3 -in.	*5 -in.	17.00	20.00	32.00	4.00	2.00	.80
3 -in.	6 -in.	18.50	21.50	33.50	4.00	2.75	1.00
3 -in.	7 -in.	20.00	23.00	35.00	4.00	3.50	1.50
3 -in.	8 -in.	21.50	24.50	36.50	4.00	4.25	2.00
4 -in.	5 -in.	21.50	26.10	38.50	5.00	2.00	.80
4 -in.	*6 -in.	23.00	27.60	40.00	5.00	2.75	1.00
4 -in.	7 -in.	24.50	29.10	41.50	5.00	3.50	1.50
4 -in.	8 -in.	26.00	30.60	43.00	5.00	4.25	2.00
4 -in.	10 -in.	29.00	33.60	46.00	5.00	5.75	3.00



K-30—Plain



K-30—Back Water

*Star indicates standard size head furnished with drain when not specified.

If flashing rings are wanted, add for black $1.00; for galvanized $1.50; for brass $2.50.

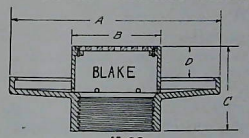
SIZES AND DIMENSIONS

Waste	A	B	C	D	E	F	G	Weight
1½-inch	9	4	7¾	3	4¾	6¾	2½	18 lbs.
2 -inch	9	4	8¾	3	5¾	6¾	2½	20 lbs.
3 -inch	10½	5	9⅞	3½	6⅜	8	3	28 lbs.
4 -inch	13½	6	12	4	8	10	3½	35 lbs.

K-23—Blake Small Size All Brass Shower Drain with Seepage Pan

Strainer Head and Body Cast Integral

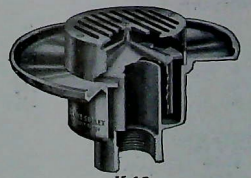
Suitable for showers, or any floor where drainage is not of a large area.



K-23

LIST PRICES AND MEASUREMENTS

A	B	C	D	All Brass	White Metal Strainer Add	Chrome Plate Add	Wt.
1½"	2¾"	7¼"	3"	$6.00	$1.50	$ .60	4 lbs.
2"	2¾"	7¼"	3"	6.00	1.50	.60	4 lbs.
3"	3¼"	8¼"	3"	8.00	1.50	.60	6 lbs.
4"	5¼"	9¾"	3"	11.00	2.00	.80	9 lbs.



K-12
(Patented)

K-12—Blake Safety Waste Drain

With Deep Seal Bell Trap—Non-Adjustable Nickel-Plated Brass Head Flashing Rings, if desired, are extra

This drain is made with an extra heavy cast iron body and a brass nickel-plated non-adjustable head; also equipped with our patented safety waste drainage feature. Suitable for showers or floors in localities where a deep seal bell trap is considered sufficient.

LIST PRICE

Size	Strainer	Regular	Body Galvanized	Add for Chrome Plating	Add for White Metal Top	All Brass	Flashing Rings Add to List	Weight
1½-inch	4⅛ -inch	$ 6.50	$ 7.50	$ .60	$1.50	$11.00	$1.00	8 lbs.
2 -inch	4⅛ -inch	6.50	7.50	.60	1.50	11.00	1.00	8 lbs.

Soil Pipe Connectors can be furnished for all Drains, see page 52 for Lists.

K-21—Blake Safety Waste Drain with Trap Integral

K-21

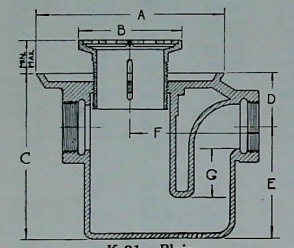
For floor at drinking fountain location. This is the same drain as K-30, with the exception that it is equipped with 1½-inch or 2-inch tapping at or above the water line. Is made with and without back water valve and, like all of our Safety Waste drains, is furnished with flashing ring when so ordered.

SPECIFICATIONS AND LIST PRICES

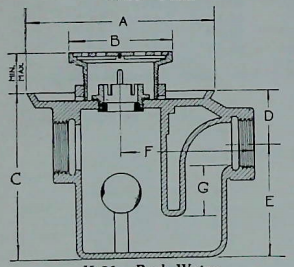
State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or N. P. Strainer	Galvanized Body, Pol. Brass or N. P. Strainer	Add For Back Water Valve	Add For White Metal Strainer	Add For Chrome Plated Strainer
1½-in.	*4 -in.	$12.00	$15.00	$4.00	$1.50	$ .60
1½-in.	4½-in.	12.50	15.50	4.00	2.00	.80
1½-in.	5 -in.	13.00	16.00	4.00	2.75	1.00
1½-in.	6 -in.	14.50	17.50	4.00	1.50	.60
2 -in.	*4 -in.	12.00	15.00	4.00	1.75	.70
2 -in.	4½-in.	12.50	15.50	4.00	2.00	.80
2 -in.	5 -in.	13.00	16.00	4.00	2.75	1.00
2 -in.	6 -in.	14.50	17.50	4.00	3.50	1.50
2 -in.	7 -in.	16.00	19.00	4.00	4.25	2.00
2 -in.	8 -in.	17.50	20.50	4.00	1.50	.60
3 -in.	4 -in.	16.00	19.00	4.00	1.75	.70
3 -in.	4½-in.	16.50	19.50	4.00	2.00	.80
3 -in.	*5 -in.	17.00	20.00	4.00	2.75	1.00
3 -in.	6 -in.	18.50	21.50	4.00	3.50	1.50
3 -in.	7 -in.	20.00	23.00	4.00	4.25	2.00
3 -in.	8 -in.	21.50	24.50	4.00	5.00	.80
4 -in.	5 -in.	21.50	26.10	5.00	2.00	.80
4 -in.	*6 -in.	23.00	27.60	5.00	2.75	1.00
4 -in.	7 -in.	24.50	29.10	5.00	3.50	1.50
4 -in.	8 -in.	26.00	30.60	5.00	4.25	2.00
4 -in.	10 -in.	29.00	33.60	5.00	5.75	3.00

*Star indicates standard size head furnished with drain when not specified.

If flashing rings are wanted, add for black $1.00; galvanized $1.50, brass $2.50.



K-21—Plain



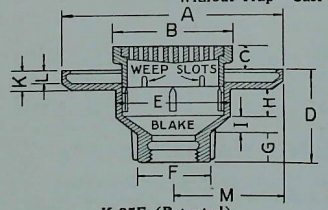
K-21—Back Water

SIZES AND DIMENSIONS

Waste	A	B	C	D	E	F	G	Weight
1½-in.	9	4	7¾	3	4¾	6¾	2½	18 lbs.
2 -in.	9	4	8¾	3	5¾	6¾	2½	20 lbs.
3 -in.	10½	5	9⅞	3½	6⅜	8	3	28 lbs.
4 -in.	13½	6	12	4	8	10	3½	35 lbs.

K-25F—Blake Safety Waste Drain

Without Trap—Cast Iron Adjustable Head—Flashing Rings are Extra



K-25F (Patented)
Dimension Illustration

This drain has an adjustable head of cast iron as well as the body, and is extra heavy. It is intended to be used as floor or cesspool drain in warehouses, factories, etc., where heavy trucking may pass over it. Strainers are heavy and re-inforced.

Measurements of K-25F, given below, are subject to ¼-inch variation

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F	G
2-inch	9	4½	1¼	4	4⅝	3⅜	1⅜
3-inch	10½	7⅛	1¼	5¼	6⅝	4⅜	1¾
4-inch	13½	9¼	1½	6	8½	5⅞	1⅞
5-inch	18	13¼	1½	6	12¾	8⅛	2⅜
6-inch	18	13¼	1½	6	12¾	8⅛	2⅜

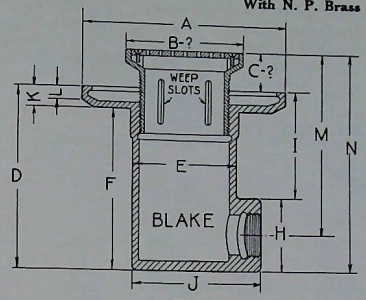
LIST PRICES

Size	Dia Top	Regular	Body Galvanized	All Brass	Flashing Rings Add to List	Weight
2-inch	4½-inch	$ 6.00	$ 7.75	$17.00	$1.00	14 lbs.
3-inch	7⅛-inch	7.50	10.00	21.50	1.00	18 lbs.
4-inch	9¼-inch	9.00	12.50	33.00	1.00	29 lbs.
5-inch	13¼-inch	13.00	18.00	46.00	2.00	35 lbs.
6-inch	13¼-inch	13.00	18.00	52.00	2.00	40 lbs.

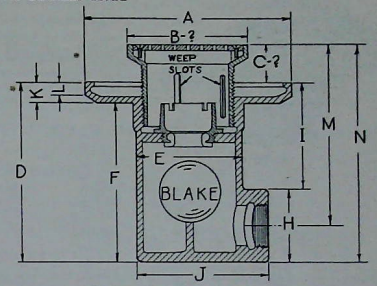
Soil Pipe Connectors can be furnished for all Drains—See page 52 for List Prices.
Can be furnished with Hub Outlet for soil pipe to slip in at no extra charge

K-35 and K-40—Blake Deep Pot Drains—No Trap

With N. P. Brass Adjustable Strainer Head



K-35



K-40 with Backwater Valve

Heavy cast iron body with adjustable Brass Head and Safety Pan for seepage water. Suitable for construction where a swinging joint is necessary, in showers, urinals and floors where construction is tile, marble, concrete or any composition.

Specify if for stall urinal so top will be arranged to fit. No extra charge. K-40 is same as K-35, but equipped with backwater valve.

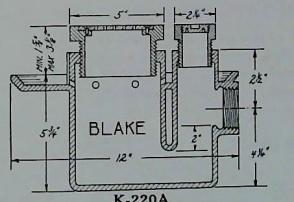
LIST PRICES

Size	Str. Top	Price Pol. or N. P. Top K-35	Price Pol. or N. P. Top K-40	Add for Galv.	Add for Chrome Plating	Add for White Metal Top
1½"	4"	$11.00	$14.00	$2.50	$ .60	$1.50
1½"	5"	12.00	15.00	2.50	.80	2.00
2"	4"	11.00	14.00	2.50	.60	1.50
2"	4½"	11.50	14.50	2.50	.70	1.75
2"	5"	12.00	15.00	2.50	.80	2.00
2"	6"	13.50	16.50	2.50	1.00	2.75
3"	5"	14.50	17.50	3.00	.80	2.00
3"	6"	16.00	19.00	3.00	1.00	2.75
3"	8"	19.00	22.00	3.00	2.00	4.25
4"	5"	23.00	27.00	3.50	.80	2.00
4"	6"	24.50	28.50	3.50	1.00	2.75
4"	8"	27.50	31.50	3.50	2.00	4.25
4"	10"	30.50	34.50	3.50	3.00	5.75

Flashing rings either flat or our simplex pattern—blk. $1.00; galv. $1.50; brass $2.50.

SIZES AND DIMENSIONS OF K-35 AND K-40

Waste	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1½-in.	9	4 1/16	1	7¾	4½	7	1½	3	4⅝	5⅝	¾	½	7⅛	8¾
2 -in.	9	4 1/16	1	8¾	4½	8	2	3¾	4¼	5½	¾	½	7⅛	9½
3 -in.	10½	6⅛	1	10¾	5½	9¾	3	4½	5⅞	6½	¾	½	9⅛	11¾
4 -in.	13½	8¼	1	12½	6½	11½	4	5½	6⅜	7½	¾	½	10⅛	12⅞



K-220A

K-220A—Blake Combined Drain and Trap

With N. P. Adjustable Strainer and Cleanout at Floor Level

This is the same pattern as our K-220 Drain, and has an adjustable cleanout to floor level. Suitable for shower stalls, receptors or any finished floor drainage.

Weights and dimensions same as for K-220, page 61.

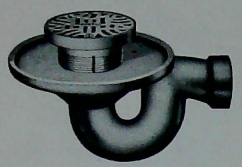
LIST PRICES

Size	Str. Top	Pol. or N. P. Top	Add for Galv.	Add for Chrome	Add for White Metal
1½"	4"	$13.00	$3.00	$ .60	$1.50
1½"	5"	14.00	3.00	.80	2.00
2"	4"	13.00	3.00	.60	1.50
2"	4½"	13.50	3.00	.70	1.75
2"	5"	14.00	3.00	.80	2.00
3"	4"	17.00	3.00	.60	1.50
3"	5"	18.00	3.00	.80	2.00
3"	6"	19.50	3.00	1.00	2.75

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

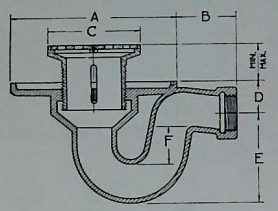
Hy-Tech Products

K-70—Blake Safety Waste Drain with Open Trap Integral



K-70

Open long sweep trap screw neck adjustable strainer. Can be furnished with flashing ring. Extra heavy construction with open trap, can be furnished with either screwed or hub outlet. Like all BLAKE SAFETY WASTE drains, with either screwed or hub outlet. Like all BLAKE SAFETY WASTE drains, can be furnished with any diameter strainer of any finish, suitable for showers, toilet room floors, balconies.



K-70—Dimension Illustration

SPECIFY BLAKE
THE LINE THAT
IS COMPLETE
AND BUILT TO A STANDARD

SPECIFICATIONS AND LIST PRICES

State Size Outlet	State Size Strainer	Cast Iron Body, Pol. Brass or Nickel Plate Strainer	Galv. Body, Pol. Brass or Nickel Plate Strainer	Cast Brass Body, Pol. Brass or Nickel Plate Strainer	Add For White Metal Strainer	Add For Chrome Plating Strainer
1½-in.	*4 -in.	$12.00	$15.00	$22.00	$1.50	$ .60
1½-in.	4½-in.	12.50	15.50	22.50	1.75	.70
1½-in.	5 -in.	13.00	16.00	23.00	2.00	.80
1½-in.	6 -in.	14.50	17.50	24.50	2.75	1.00
2 -in.	*4 -in.	12.00	15.00	22.00	1.50	.60
2 -in.	4½-in.	12.50	15.50	22.50	1.75	.70
2 -in.	5 -in.	13.00	16.00	23.00	2.00	.80
2 -in.	6 -in.	14.50	17.50	24.50	2.75	1.00
2 -in.	7 -in.	16.00	19.00	26.00	3.50	1.50
2 -in.	8 -in.	17.50	20.50	27.50	4.25	2.00
3 -in.	4 -in.	16.00	19.00	31.00	1.50	.60
3 -in.	4½-in.	16.50	19.50	31.50	1.75	.70
3 -in.	*5 -in.	17.00	20.00	32.00	2.00	.80
3 -in.	6 -in.	18.50	21.50	33.50	2.75	1.00
3 -in.	7 -in.	20.00	23.00	35.00	3.50	1.50
3 -in.	8 -in.	21.50	24.30	36.50	4.25	2.00
3 -in.	10 -in.	24.50	27.50	39.50	5.75	3.00

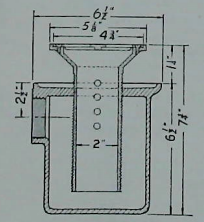
*Star indicates standard size head furnished with drain unless otherwise specified.

If flashing rings are wanted, add for black $1.00; for galvanized $1.50; for brass $2.50.

K-1158
Size 2-Inch

SIZES AND DIMENSIONS

Waste	A	B	C	D	E	F	Weight
1½-in.	9	3⅛	4	3	6¼	2	17 lbs.
2 -in.	9	3⅛	4	3	6¼	2	17 lbs.
3 -in.	10½	3¾	5	3⅝	6¼	2	24 lbs.



K-1158—Dimension Illustration

K-1158—Blake "Economy" Shower Drain

Heavy Iron Body, Brass Neck, and Nickel-Plated Removable Strainer

A serviceable shower drain at low cost. Adjustable to meet various floor levels. Top, 5⅛ inches over all. Depth of body, 6 inches. Total depth at lowest adjustment, 7¼ inches. Water seal at lowest adjustment, 2½ inches. Tapped for 2-inch iron pipe.

LIST PRICES

Size	Regular	Body Galvanized	All Brass	Weight
2-inch	$7.50	$9.00	$16.00	12 lbs.

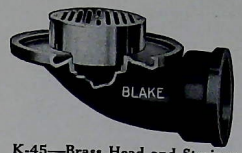
Measurements of K-1158, as given, are subject to ¼-inch variation.

REPAIR PARTS

	Size of Drain, 2-Inch
N. P. Strainers	$1.20
Cast Iron Body only, Tapped	2.50
Strainer Head only	3.75
Strainer Screws, each	.06

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

K-45 and K-45F—Blake Safety Waste Drain



K-45—Brass Head and Strainer
(Patented)

No Trap—Side Outlet—Nickel-Plated Brass Non-Adjustable Head
Flashing Rings are Extra

Extra heavy construction with heavy nickel-plated brass strainer, and our exclusive feature of accessible safety waste outlet. Can be furnished with soil pipe outlet or tapped for iron pipe. Adapted for shallow floors where conditions require a side outlet. Recommended for packing houses warehouses, dairies, areaways, pits, etc.

CAN BE FURNISHED WITH SCREW STRAINER HEAD AT SAME PRICE

LIST PRICES FOR K-45

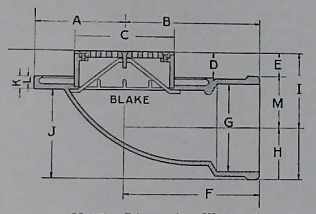
Size	Strainer	Regular	Body Galvanized	All Brass	Flashing Rings Add to List	Weight
3-inch	8¼-inch	$16.50	$20.00	$28.00	$1.00	23 lbs.
4-inch	8¼-inch	18.00	21.50	30.00	1.00	25 lbs.

LIST PRICES FOR K45F

This is same drain as K-45, except head and strainer are also cast iron, and made extra heavy for heavy use. Strainer is anti-tilting.

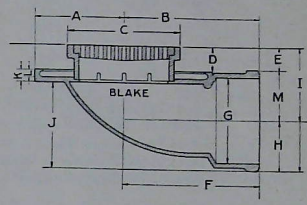
Size	Strainer	Regular	Body Galvanized	All Brass	Flashing Rings Add to List	Weight
3-inch	9¼-inch	$10.00	$14.00	$34.00	$1.00	30 lbs.
4-inch	9¼-inch	12.00	16.50	38.00	1.00	33 lbs.

Soil Pipe Connectors can be furnished for all Drains—See page 52 for List Prices.



K-45—Dimension Illustration

Flat flashing rings instead of simplex pattern can be furnished, if so ordered, at same price.



K-45F—Dimension Illustration

Measurements of K-45 and K-45F, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS OF K-45

Waste	A	B	C	D	E	F	G	H	I	J	K	L	M
3-inch	6¾	9⅜	8¼	1⅜	1½	¼	4 5/16	2⅝	6¾	3¼	¾	⅝	2⅝
4-inch	6¾	9⅜	8¼	1⅜	1½	¼	5 5/16	3⅛	7¾	4¼	¾	⅝	3⅛

SIZES AND DIMENSIONS OF K-45F

Waste	A	B	C	D	E	F	G	H	I	J	K	L	M
3-inch	6¾	9⅜	9¼	1⅜	1½	9⅜	4 5/16	2⅝	6¾	5½	¾	⅝	2⅝
4-inch	6¾	9⅜	9¼	1⅜	1½	9⅜	5 5/16	3⅛	7¾	6½	¾	⅝	3⅛

REPAIR PARTS FOR K-45

	SIZES OF DRAIN— 3	4
N. P. Strainers only	$2.00	$3.50
N. P. Brass Heads only	3.50	5.00
Center Locking Screw	.20	.20
Strainer Screws, each	.06	.06
C. I. Test Caps	.40	.70
C. I. Top Blank Plate	.30	.50

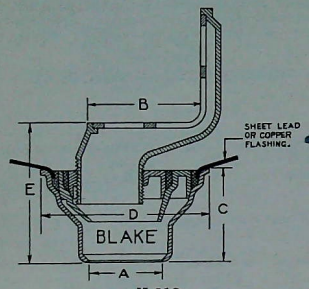
REPAIR PARTS FOR K-45F

	SIZES OF DRAIN— 3	4
Cast Iron Strainers	$1.00	$1.00
C. I. Strainer Heads	2.00	2.00
	SIZES OF DRAIN— 3	4
Weight of Strainer	4½ lbs.	4½ lbs.
Weight of Head	7¼ lbs.	7¼ lbs.

Hy-Tech Products

K-812 and K-813—Blake Brass Face Angle Adjustable Shower Drain

With Eccentric Bushing and Iron Body, Suitable for Caulking in Metal Flashing



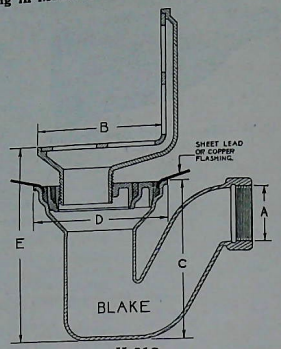
K-812

These strainers can be furnished with any Blake drain body shown in catalog.

For use in Shower Stalls, Gutters or in any installation where vertical and horizontal drainage is desired.

This is quite a decided advantage, because if floor grate becomes covered drainage continues through vertical grate.

They are equipped with eccentric bushings which permits a shifting around of the angle grate to suit installation.



K-813

LIST PRICES

Outlet	Pol. Brass or N. P. Str.	Regular K-812	Regular K-813	With Galv. Body K-812	With Galv. Body K-813	All Brass K-812	All Brass K-813
1½" or 2"	3½x4½	$12.00	$17.50	$13.00	$20.50	$16.50	$27.50
3"	3½x4½	13.50	21.50	15.00	24.50	19.50	36.50
4"	3½x4½	14.50	26.00	16.50	30.60	20.50	42.50
1½" or 2"	6x6½	20.50	26.00	21.50	29.00	25.00	36.00
3"	6x6½	22.00	30.00	23.50	33.00	28.00	45.00
4"	6x6½	23.00	34.50	25.00	39.10	29.50	51.50

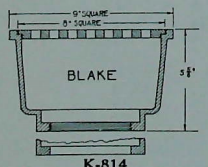
For clamping ring, Blk. add $1.00; Galv. $1.50; All Brass $2.50.
Add for White Metal Strainer, small size $4.25; large $8.50.
Add for Chrome Plating, small size $1.50; large $3.00.
3½x4½ Pol. Brass Strainer bodies alone, for use in any Drain body $8.00.
6x6½ Pol. Brass Strainer bodies alone, for use in any Drain body $15.00.

Dimensions

K-812						K-813					
A	B	C	D	E	Wt.	A	B	C	D	E	Wt.
1½ or 2	3½x4½	4½	7¼	5½ to 6½	10 lbs.	1½ or 2	3½x4½	7¼	7¼	8¼ to 9	18 lbs.
3 and 4	3½x4½	4½	8¼	5½ to 6½	16 lbs.	3 and 4	3½x4½	9¼	8¼	8¼ to 9	28 lbs.
1½ or 2	6 x6½	4½	7¼	6 to 7	13 lbs.	1½ or 2	6 x6½	7¼	7¼	8¾ to 10	21 lbs.
3 and 4	6 x6½	4½	8¼	6 to 7	19 lbs.	3 and 4	6 x6½	9¼	8¼	8¾ to 10	31 lbs.

K-814 and K-816—Blake Extra Heavy Square Deep Sump Cesspools

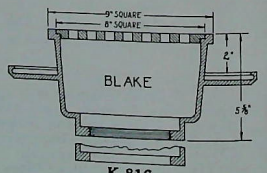
With or Without Inner Grate



K-814

Suitable for garage floors, warehouses, Dairies, factories, etc., where something strong is required, yet not of large and bulky size.

Furnished either tapped outlet or for soil pipe. K-816 is the same drain with seepage pan.



K-816

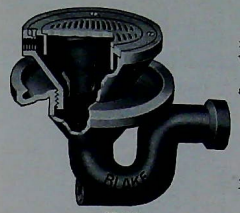
LIST PRICE

Outlet	K-814 All Iron	K-816 All Iron	K-814 Galv.	K-816 Galv.	K-814 Pol. Brass or N. P. Top	K-816 Pol. Brass or N. P. Top	K-814 All Brass	K-816 All Brass
2-3 or 4"	$5.00	$7.00	$7.50	$10.00	$10.00	$12.00	$22.00	$25.00

Add for White Metal Top $7.50; for Chrome Plated Top $2.50; if cover to be hinged, add $2.00.
Approximate weight, 28 lbs.

K-50—Blake Safety Waste Drain and Trap

With Flushing Rim for Floors of Hospitals or Other Purposes of This Kind
Flashing Rings are Extra



K-50

The body is of heavy construction and arranged at base of trap for water connection to refill water seal if evaporation is taking place or for flushing out the waste line.

The entire strainer head is of heavy red brass and provided with a hinged strainer, and inside of top receptacle coated with white enamel.

Outlet is tapped for 3-inch iron pipe.

LIST PRICES

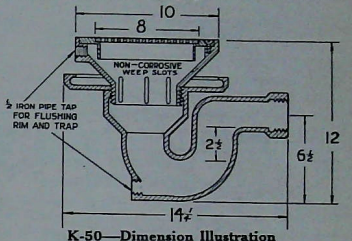
Size	Width Across Top	Regular	Body Galv.	All Brass	Add for Chrome Plating	Add for White Metal Top	Wt.
3-inch	10-inch	$40.00	$45.00	$58.50	$4.00	$9.00	38 lbs.

Flashing Rings extra, Plain $1.00; Galv. $1.50; Brass $2.50.
Soil Pipe Connectors can be furnished for all Drains—See page 52 for List Prices.

Measurements of K-50, as given, are subject to ¼-inch variation.

REPAIR PARTS

	Size of Drain, 3"	Weight
N. P. Brass Strainers	$ 8.40	7 lbs.
Brass Strainer Head	13.00	13 lbs.



K-50—Dimension Illustration

K-51

K-51—Blake Safety Waste Drain

With Flushing Rim—Flashing Rings are Extra
Without Trap—For Floors of Hospitals or Other Purposes of This Kind

This is the same design as K-50, except the trap—the bottom outlet being tapped for 3-inch iron pipe.

LIST PRICES

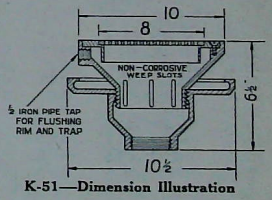
Size	Width Across Top	Regular	Body Galv.	All Brass	Add for Chrome Plating	Add for White Metal Top	Wt.
3-inch	10-inch	$32.00	$34.70	$46.00	$4.00	$9.00	30 lbs.

Flashing rings extra, Plain $1.00; Galv. $1.50; Brass $2.50.
Soil Pipe Connectors can be furnished for all Drains—See page 52 for List Prices.

Measurements of K-51, as given, are subject to ¼-inch variation.

REPAIR PARTS

	Size of Drain, 3"	Weight
N. P. Brass Strainers	$ 8.40	7 lbs.
Brass Strainer Head	13.00	13 lbs.



K-51—Dimension Illustration

Blake Q&S Pattern Safety Waste Shower Drains

Extra Heavy Body—Nickel-Plated Brass Adjustable Head
Flashing Rings are Extra

K-220—Q&S Pattern, Shallow
K-227—Q&S Pattern, Deep

Strainer is 5 inches wide. Head is threaded I. P. size. Outlet tapped for either 1½ or 2-inch iron pipe. Water seal, 2-inch.

No. 220, minimum height, 6¾ inches; maximum, 8¼ inches. Bottom to center of outlet, 4¼ inches. Diameter over all, 10¾ inches.

No. 227 Deep Seal, height over all, minimum, 8½ inches; maximum, 9⅞ inches. Bottom to center of outlet, 5¾ inches. Diameter over all, 10¾ inches.

LIST PRICES

	Weight
No. K-220—1½ or 2-inch	$14.00 — 21 lbs.
No. K-227—1½ or 2-inch	14.00 — 27 lbs.

If Chromium Plated Strainers are wanted, add 80c to above list prices.

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products

Blake Duriron Floor Drains

ACID, ALKALI, RUST-PROOF DRAINS

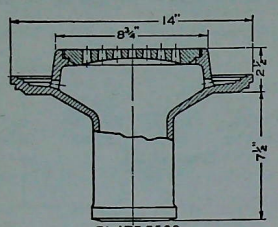


PLATE 5500

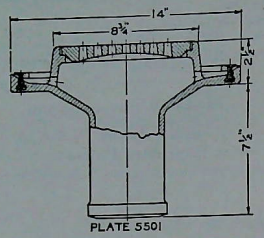


PLATE 5501

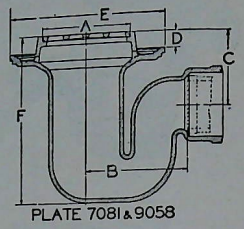


PLATE 7081 & 9058

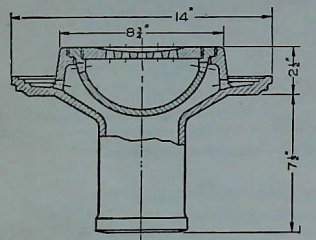


PLATE 5687

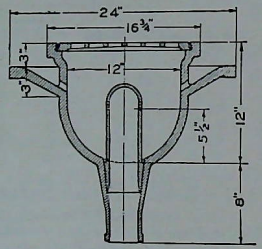


PLATE 7270-B

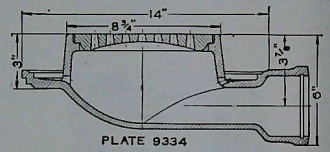


PLATE 9334

NOTE.—Floor drains are furnished with strainer plates of Alcumite (an aluminum bronze of high tensile strength) unless the drain is to handle nitric acid and ferric chloride, when Duriron strainer plates are furnished.

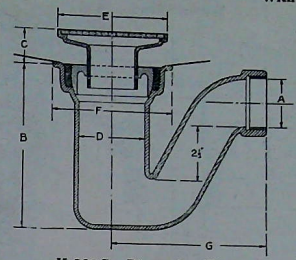
DOUBLE DRAINAGE TYPE

Plate No.	Size Outlet	Weight	LIST PRICES With Strainer	LIST PRICES Extra Strainer	A	B	C	D	E	F	Flashing Ring
5500	2"-3"-4"-6"	40 lbs.	$ 30.65	$ 4.40	....	.....	.....	.....	.....	.....	No
5501	2"-3"-4"-6"	40 lbs.	32.85	4.40	....	.....	.....	.....	.....	.....	No
7081-A	1½"	30 lbs.	29.15	2.65	4"	6½"	3⅞"	1½"	10¾"	9"	Yes
7081-B	2"	32 lbs.	29.15	2.65	4"	6½"	3⅝"	1½"	10⅜"	9"	No
9058-3	3"	75 lbs.	55.40	4.40	8"	9"	5⅞"	1½"	14"	14½"	No
9058-4	4"	79 lbs.	55.40	4.40	8"	9"	6⅜"	1½"	14"	14½"	No
5687	2"-3"-4"-6"	72 lbs.	41.60	3.65	....	.....	.....	.....	.....	.....	No
5687-A	2"-3"-4"-6"	75 lbs.	43.75	3.65	....	.....	.....	.....	.....	.....	No
7270-B	3"-4"	270 lbs.	142.90	11.70	....	.....	.....	.....	.....	.....	Yes
9334	2"	40 lbs.	42.28	4.40	....	.....	.....	.....	.....	.....	No

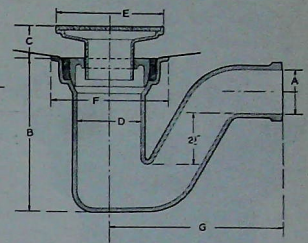
Measurements of above drains are subject to ¼-inch variation.

K-201C and K-201B—Blake Angular Adjustable Shower Drains

With Trap



K-201C—Dimension Illustration Screwed Outlet



K-201B—Dimension Illustration Spigot Outlet

K-201C

Blake Angular Shower Drains with Trap are designed for use in shower, wash or toilet rooms with cement, tile or composition floors.

They have the exclusive feature of having the strainer adjustable, both vertical and at any angle up to 15°. These adjustments permit the surface of the strainer to be leveled with the finish floor, regardless of the roughed-in position of the trap.

They are furnished with and without seepage holes, as desired.

STRAINER

The strainers are made of heavy red brass and are furnished either plain, polished or nickel-plated. They are made in the different sizes as shown in the accompanying tables, the smallest of which has sufficient area to insure the maximum flow of the waste line. They are removable for cleaning the body of the drain.

STRAINER SUPPORT

This is made of heavy red brass with extra long threads, permitting one inch vertical adjustment.

BALL CENTERING RING

This, with the top of the trap body, forms a ball and socket support, which permits the tilting of the strainer in any direction up to a 15° angle.

SAFE PAN ANCHORAGE

The metal safe pan is turned into the top of the drain body and is made permanently tight at this most important place by caulking between the body and ball centering ring when it has been tilted into the correct position.

TRAP BODY

This is made of close-grained grey iron $\frac{3}{16}$-inch thick and of a diameter one full size larger than the outlet.

TRAP SEAL

All traps are made with 2½-inch seal.

Furnished with or without seepage holes, as desired.

Measurements of K-201C and K-201B, given below, are subject to ¼-inch variation.
Smallest diameter strainer furnished unless otherwise specified.
Specify if seepage slots are wanted

LIST PRICES AND DIMENSIONS

No.	Size	Str. Diam.	B	C	D	F	G	Wt.	Nickel-Plated	Galv. Body	Add for White Metal Top	Add for Chrome Plating	All Brass
K-201B or K-201C	1½	4	6¼	⅞ to 2	2½	5	6	10	$12.00	$15.00	$1.50	$ .60	$22.00
K-201B or K-201C	1½	5	6¼	⅞ to 2	2½	5	6	10½	13.00	16.00	2.00	.80	23.00
K-201B or K-201C	2	5	7¼	⅞ to 2	3	5½	7	14	13.00	16.00	2.00	.80	23.00
K-201B or K-201C	2	6	7¼	⅞ to 2	3	5½	7	14½	14.50	17.50	2.75	1.00	24.50
K-201B or K-201C	3	6	9¼	⅞ to 2	4	6½	9	22	18.50	21.50	2.75	1.00	33.50
K-201B or K-201C	3	8	9¼	⅞ to 2	4	6½	9	23	21.50	24.50	4.25	2.00	36.50
K-201B	4	8	11¼	⅞ to 2	5	7½	13	28	26.00	30.60	4.25	2.00	43.00
K-201B	4	10	11¼	⅞ to 2	5	7½	13	30	29.00	33.60	5.75	3.00	46.00
K-201B	4	12	11¼	⅞ to 2	5	7½	13	32	36.00	40.00	8.50	4.00	50.00

Nickel-plated brass strainers regularly furnished; plain or polished brass if desired.

REPAIR PARTS FOR K-201C or 201B

	SIZES OF DRAIN 1½	2	3	4	4" With 10" or 12" Strainers
N. P. Brass Strainer	$1.50	$1.50	$2.00	$3.00	$5.00
Brass Screw Strainer Head only	3.00	3.00	4.00	5.00	10.00
C. I. Center Caulking Piece	.80	.90	1.00	1.00	1.25
Strainer Screws, each	.06	.06	.06	.06	.06

NOTE.—We make an exact duplicate pattern of the above drain with the exception of center casting, which is cast integral instead of loose. Same caulking recess is maintained for fastening flashing material. Made in 2-inch size only.

LIST PRICE

	N. P. Regular	N. P. Galv.	All Brass
K-201BB with Spigot Outlet	$10.00	$12.00	$20.00
K-201CC with Screw Outlet	10.00	12.00	20.00

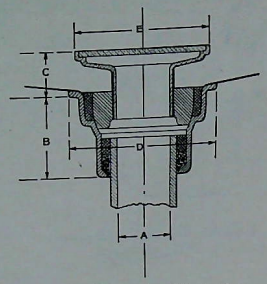
ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products

K-202D and K-202E—Blake Angular Adjustable Shower Drain

Without Trap

K-202D—Hub Outlet



K-202A—Dimension Illustration

K-202E—Threaded Outlet

These Blake Angular Shower Drains Without Traps are in all particulars, except the omission of the trap, the same as described as K-201C on page 63.

They are furnished with standard caulking hub.

These have many places of application where a trap at the drain is not required and where an independent trap is used.

They are very compact and take up little depth.

Measurements of K-202D, given below, are subject to ¼-inch variation.

Measurements of K-202E are the same, except slightly shorter body.

Size	Strainer Diameter
1½"	4" 5"
2"	5" 6"
3"	6" 8"
4"	8" 10" 12"

Smallest diameter strainer furnished unless otherwise specified.

Specify if seepage slots are desired.

LIST PRICES AND DIMENSIONS

Size	F Strainer Diam.	B	C	D	Wt.	Nickel-Plated	Galv. Body	All Brass	Add for White Metal	Add for Chrome Plate
1½	4	3	⅞ to 2	5	4	$ 6.50	$ 7.50	$11.00	$1.50	$ .60
1½	5	3	⅞ to 2	5	4½	7.50	8.50	12.00	2.00	.80
2	5	3	⅞ to 2	5½	5	7.50	8.50	12.00	2.00	.80
2	6	3	⅞ to 2	5½	5½	9.00	10.00	13.50	2.75	1.00
3	6	3 3/16	⅞ to 2	6½	8	10.50	12.00	16.50	2.75	1.00
3	8	3 3/16	⅞ to 2	6½	9	13.50	15.00	19.50	4.25	2.00
4	8	3 3/4	⅞ to 2	7½	12	14.50	16.50	21.00	4.25	2.00
4	10	3 3/4	⅞ to 2	7½	13	17.50	19.50	24.00	5.75	3.00
4	12	3 3/4	⅞ to 2	7½	14	25.00	27.00	27.00	8.50	4.00

NOTE.—Strainer has vertical adjustment, as shown in Column C.

Nickel-plated brass strainers regularly furnished; plain or polished brass if desired.

REPAIR PARTS FOR K-202D or K-202E

	SIZES OF DRAIN				
	1½	2	3	4	4" With 10" or 12" Strainers
N. P. Strainers	$1.50	$1.50	$2.00	$2.00	$5.00
Brass Strainer Head only	3.00	3.00	4.00	4.00	10.00
C. I. Center Caulking Piece	.90	.90	1.00	1.00	1.25
Strainer Screws, each	.06	.06	.06	.06	.06

NOTE.—We make a duplicate of the above drain in exactly the same style, except that center casting is not loose, but cast integral with the iron body. The caulking recess is maintained for the fastening of flashing material.

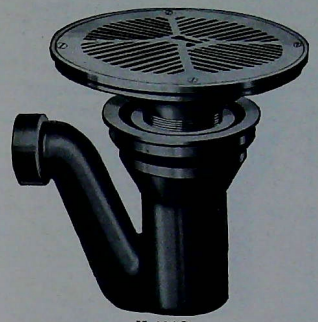
LIST PRICES

	Black Body	Galv. Body	All Brass
K-202B, size 2-inch only, Threaded Outlet	$6.00	$7.00	$10.00
K-202BB, size 2-inch, Hub Outlet	6.00	7.00	10.00

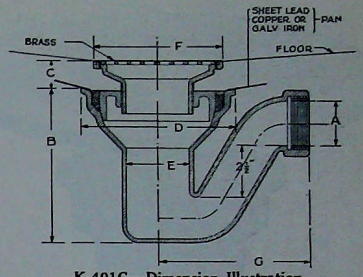
Add for White Metal and Chrome Plating same as above.

K-401C and K-401B—Blake Angular Adjustable Floor Drain

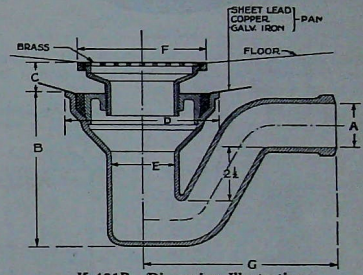
With Trap



K-401C



K-401C—Dimension Illustration
Threaded Outlet



K-401B—Dimension Illustration
Spigot Outlet

Blake Angular Adjustable Floor Drains with Traps are designed for draining water-proof floors that are required to be connected with the drain and where the drain will require frequent cleaning. These drains have large diameter strainers and the opening into the drain is the same size as the body of the drain, for cleaning when the strainers are removed.

The have both a vertical and angular adjustment to permit irregularity in roughing-in, and still have the strainer at the proper height and even with the surface of the finished floor.

The floor can be securely connected to the drain by means of caulking into the body of the drain a metal pan, thereby securing a permanent pressure-tight connection.

Installation labor costs are greatly reduced by the double adjustable feature, eliminating the care needed in setting the drain in the exact required location.

The highest grade red brass and close-grained gray iron castings are used throughout in all Blake Angular products.

Furnished with or without seepage holes, as desired.

Measurements of K-401C, given below, are subject to ¼-inch variation.

Measurements of K-401B are the same except that outlet is a little longer.

Smallest diameter strainer furnished unless otherwise specified.

LIST PRICES AND DIMENSIONS

Size	F Diam. Str.	B	C	D	G	Wt.	Nickel-Plated	Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plating
2	6	7 5/16	1 to 2	7¼	7	18	$14.00	$17.00	$24.50	$2.75	$1.00
2	8	7 5/16	1 to 2	7¼	7	18	17.00	20.50	27.50	4.25	2.00
2	8	7 5/16	1 to 2	8¼	9	31	21.50	24.00	36.50	4.25	2.00
3	8	9 5/16	1½ to 2⅛	8¼	9	31	24.50	28.25	38.50	5.75	3.00
3	10	9 5/16	1½ to 2⅛	8¼		40	28.00	32.00	48.00	5.75	3.00
4	10					45	35.00	40.00	52.00	8.50	4.00
4	12										

NOTE.—Strainer has vertical adjustment, as shown in Column C.

Nickel-plated brass strainers regularly furnished; plain or polished brass if desired.

REPAIR PARTS FOR K-401C and K-401B

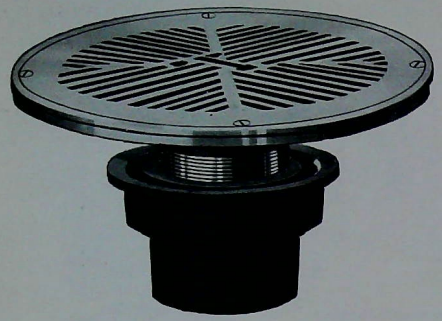
	SIZES OF DRAIN		
	2	3	4
N. P. Strainers	$2.00	$3.00	$5.00
Brass Strainer Heads only	4.00	6.00	10.00
C. I. Center Caulking Pieces	1.00	1.00	1.25
Strainer Screws, each	.06	.06	.06

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

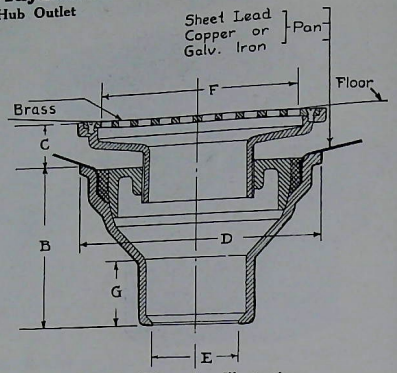
Hy-Tech Products

K-402A—Blake Angular Adjustable Floor Drain

Without Trap—Hub Outlet



K-402A



K-402A—Dimension Illustration

Blake Angular Adjustable Floor Drain without Trap, having hub outlet, is designed for use where it is desired to use an independent trap.

They have all the adjustable features of the drains with traps and are arranged for same safe pan connection.

Strainers of different sizes are furnished that are easily removable, giving access to the full size of the connecting pipe for cleaning.

Only the best quality of red brass and close-grained grey iron castings are used in all Blake Angular goods.

Furnished with or without seepage holes, as desired.

Can furnish with threaded outlet if desired.

Measurements of K-402A, given below, are subject to ¼-inch variation.

LIST PRICES AND DIMENSIONS

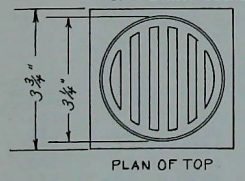
Size	E Str. Diam.	B	C	D	Wt.	Nickel-Plated	Galv. Body	All Brass	Add for White Metal Top
2	6	4½	1 to 2	7¼	12	$9.00	$10.00	$13.50	$2.75
2	8	4½	1 to 2	7¼	12	12.00	13.50	16.00	4.25
3	8	4½	1⅛ to 2⅛	8¼	18	14.00	16.25	19.50	4.25
3	10	4½	1⅛ to 2⅛	8¼	18	16.50	18.00	23.00	5.75
4	10		1⅛ to 2⅛			17.50	19.50	25.00	5.75
4	12		1⅛ to 2⅛			23.00	26.00	30.00	8.50

NOTE.—Strainer has vertical adjustment, as shown in Column C.

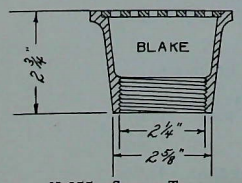
Nickel-plated brass strainers regularly furnished; plain or polished brass if desired.

REPAIR PARTS FOR NO. 402A

	SIZES OF DRAIN 2	3	4
N. P. Strainers	$2.00	$2.50	$5.00
Brass Strainer Heads only	4.00	6.00	10.00
Strainer Screws, each	.06	.06	.06
C. I. Center Caulking Rings	1.00	1.00	1.25



PLAN OF TOP



K-855—Square Top

K-855 and K-856—Blake

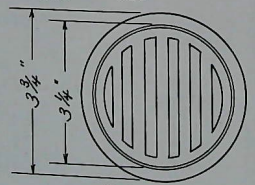
All Brass Floor Drains in Small Dimensions Suitable for Installations at Drinking Fountains or for Draining other Small Areas

Made round and square top and tapped either 1¼", 1½" or 2" Iron Pipe.

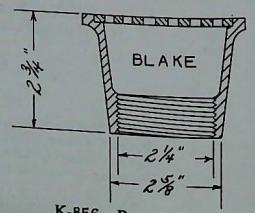
LIST PRICES

Either K-855 or K-856

Pol. Top	N. P. Top	Chrome Top	Wt.
$5.00	$5.50	$6.00	2½ lbs.



PLAN OF TOP



K-856—Round Top

K-301C and K-301B—Blake Angular Urinal Connections With Trap

K-301C

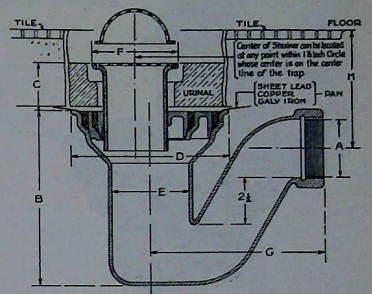
The Blake Angular Urinal Connections are all provided with tilting, radial and vertical adjustments. They can be furnished with nickel-plated flat bar or beehive strainers.

The radial adjustment is obtained by means of double eccentric rings and are so designed that the strainer can be placed at any point in a one and one-half (1½) inch diameter circle. This is necessary on account of the pedestal urinals having their outlet as much as three-fourths (¾) inch out of center.

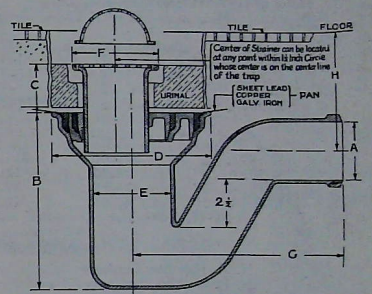
These double eccentric rings also form, with the body of the drain, a ball and socket joint which allows the tilting of the strainer, thereby correcting any irregularity due to angular connecting of the drain with the drain piping or due to an angular hole in the bottom of the urinal.

No screw threads are used for these adjustments, but they are easily placed in the desired position by hand and then fastened by caulking.

The safe pan is also fastened into the body of the drain by the same caulking. This makes a permanent leak-proof joint at this most important point.



K-301C—Dimension Illustration—Tapped Outlet



K-301B—Dimension Illustration—Spigot Outlet

The strainer and strainer support are made of heavy red brass, and the body of the drain of close-grained grey iron one-fourth (¼") inch thick. General arrangement and dimensions shown above.

Made in two-inch and three-inch sizes.

Measurements of K-301C, given below, are subject to ¼-inch variation.

Specify 2" or 3" size—Beehive strainer furnished unless otherwise specified.

Dimensions

No.	Strainer	A	B	C	D	E	F	G	H	Wt.
K-301B and K-301C	Bar	2	7 1/16	1–3⅞	7¼	3	4½	7	5¾–8¼	18 lbs.
K-301B and K-301C	Bar	3	9 1/16	1½–3⅞	8¼	4	4½	9	6¼–8¼	28 lbs.
K-301B and K-301C	Beehive	2	7 1/16	1–3⅞	7¼	3	4½	7	5¾–8¼	18 lbs.
K-301B and K-301C	Beehive	3	9 1/16	1½–3⅞	8¼	4	4½	9	6¼–8¼	28 lbs.

LIST PRICES

No.	Size	Nickel-Plated	Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plating
K-301B and K-301C	2"	$15.00	$17.50	$25.30	$1.75	$ .70
K-301B and K-301C	3"	18.00	21.00	33.00	1.75	.70
K-301B and K-301C	2"	16.15	18.65	26.15	1.75	.70
K-301B and K-301C	3"	19.15	22.15	33.65	1.75	.70

NOTE.—Strainer has vertical adjustment, as shown in Column C.

All strainers heavily nickel-plated.

REPAIR PARTS FOR K-301C and K-301B

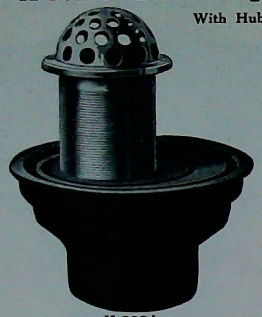
	SIZES OF DRAIN 2	3
N. P. Flat Bar Strainers	$1.20	$1.20
N. P. Beehive Strainers	1.60	1.60
Strainer Heads only	3.00	3.00
Strainer Screws, each	.06	.06
C. I. Inner Caulking Ring	.80	.90
C. I. Outer Caulking Ring	1.00	1.10

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

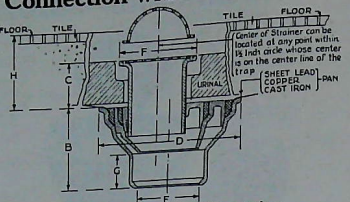
Hy-Tech Products

K-302A—Blake Angular Urinal Connection without Trap

With Hub or Screw Outlet



K-302A



K-302A—Dimension Illustration

Made in two-inch and three-inch sizes.

This Blake Angular Urinal Connection has all the adjustments of K-301B and K-301C and are duplicates of these in every particular, except in the body of the drain. The body of this drain is made with short hub, thereby taking up as little vertical room as possible.

They are desirable wherever an independent trap is used for a group of urinals.

Measurements of K-302A, given below, are subject to ¼-inch variation.

Dimensions

No.	Strainer	A	B	C	D	E	F	G	H	Wt.
K-302A	Bar	2	4½	1–3⅞	7¼	2⅝	4½	1⅞	4¼–6⅜	10 lbs.
K-302A	Bar	3	4½	½–3⅞	8¼	3⅝	4½	1⅞	4¼–6⅜	16 lbs.
K-302A	Beehive	2	4½	1–3⅞	7¼	2⅝	4½	1⅞	4¼–6⅜	10 lbs.
K-302A	Beehive	3	4½	½–3⅞	8¼	3⅜	4½	1⅞	4¼–6⅜	16 lbs.

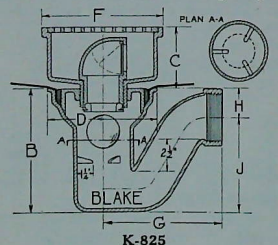
LIST PRICES

No.	Size	Nickel-Plated	Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plate
K-302A	2″	$10.00	$11.50	$17.50	$1.75	$ .70
K-302A	3″	11.00	12.80	19.00	1.75	.70
K-302A	2″	11.15	12.65	16.15	1.75	.70
K-302A	3″	12.15	12.95	20.15	1.75	.70

NOTE.—Strainer has vertical adjustment, as shown in Column C.
All strainers heavily nickel-plated.

REPAIR PARTS FOR 302A

	SIZES OF DRAIN 2	3
N. P. Flat Bar Strainers	$1.20	$1.20
N. P. Beehive Strainers	1.60	1.60
Strainer Heads only	3.00	3.00
Strainer Screws, each	.06	.06
C. I. Inner Caulking Ring	.80	.90
C. I. Outer Caulking Ring	1.00	1.10



K-825

K-825—Blake Double Protected Backwater Floor Drain

With Trap for Screw or Soil Pipe

This drain is protected against backwater by two valves, each of a different design. This method of protection can be applied to any of our floor, shower or other drains where certainty against backwater drainage must be assured. This particular type of drain also has the added feature of a caulked center which permits adjustments to unevenness or slant of the finished floor.

LIST PRICES

Size	Size Str. Top	Iron Body Brass Top and Receptacle Polished or N. P.	All Iron	All Brass	Add for White Metal Top	Add for Chrome Plating	Add for Galv.	Wt.
2″	5″	$20.00	$16.00	$24.00	$2.00	$ .80	$3.00	22 lbs.
2″	6″	22.00	18.00	26.00	2.75	1.00	3.00	23 lbs.
3″	6″	27.50	23.00	36.00	2.75	1.00	4.00	33 lbs.
3″	8″	29.50	25.00	40.00	4.25	2.00	4.00	35 lbs.
4″	8″	35.00	31.00	48.00	4.25	2.00	5.00	40 lbs.
4″	10″	38.00	34.00	52.00	5.75	3.00	5.00	45 lbs.

Dimensions

Size	F	B	C	D	G	H	J
2″	Str.	7⅞	4″ to 5″	7¼	7¼	1⅝	5⅝
3″	Dia.	9⅞	4″ to 5″	8¼	9¼	2¼	7
4″	Selected	11¼	4″ to 5″	9½	11¼	3	8¼

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

K-80 and K-82—Blake Simplex Deep Seal P Traps

Male and Female Inlets

For Use with Our Various Drains

K-80

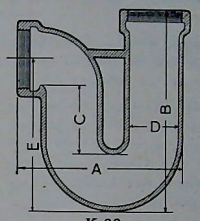
K-82

Blake Deep Seal Traps are heavily constructed in line with the durable construction of the Simplex products, and can be used in connection with any of our Drains.

The deep seal is your protection against broken seal by evaporation of the water. Furnished male or female openings, or for soil pipe connection.

LIST PRICE

Size	Seal	Black	Galvanized	All Brass	Total Depth	Weight
1½-inch	4-inch	$3.00	$ 4.50	$ 8.50	9 -inch	8½ lbs.
2 -inch	4-inch	3.50	5.00	10.00	9½-inch	10 lbs.
3 -inch	5-inch	6.00	8.00	15.00	13 -inch	15 lbs.
4 -inch	5-inch	10.00	14.00	25.00	15½-inch	25 lbs.



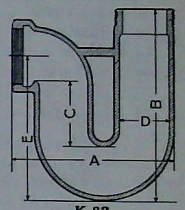
K-80
Dimension Illustration

When furnished with cleanouts, add to list above $1.00.

Measurements of K-80 and K-82, given below, are subject to ¼-inch variation.

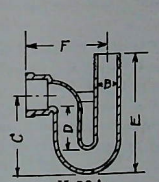
K-80 and K-82 Dimensions

Size	A	B	C	D	E
1½-inch	6	8	4	1½	6¾
2 -inch	7	9	4	2	7¼
3 -inch	9¾	11⅝	5	3	8¾
4 -inch	11¾	14¾	5	4	11¼

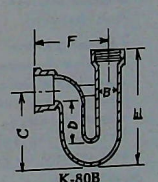


K-82
Dimension Illustration

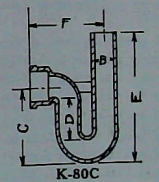
Blake Additional Types of Deep Seal Drains



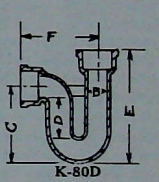
K-80A



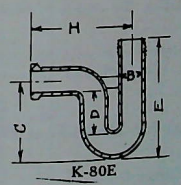
K-80B



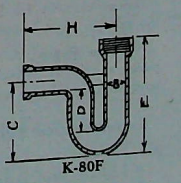
K-80C



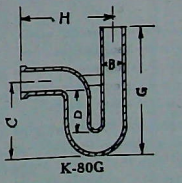
K-80D



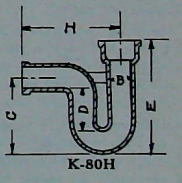
K-80E



K-80F



K-80G



K-80H

Prices for any of above types will be the same as for our plate K-80 and K-82. If tapped for Primer Connection add list $1.00.

Dimensions

Size	C	D	E	F	G	H
1½	6¾	4	8			
2	7½	4	9	7½	10¾	10¼
3	9½	5	12½	8¾	14	11¼
4	11	5	15	11	16¾	13¼

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products

BLAKE—Modern Swimming Pool Equipment

Modern swimming pools are being very rapidly installed all over the country, and in order to have them function properly as a health producer they must be installed and operated in a sanitary manner.

On page 71 is shown a design of a modern swimming pool equipped with Blake Fittings that have been especially developed for this purpose.

A general arrangement of all fittings and piping, together with a description of the recommended equipment and operation of the pool, is also mentioned on same page.

Design of Blake Swimming Pool

The design shown is for a 20x60-foot pool, which is, at present, almost a standard pool for pools built both indoors and outdoors where space is limited. Much larger pools are being built where space permits or requirements demand it.

The depths of various pools vary to suit the conditions of the bathers. No standard for this is possible.

A 20x60-foot pool of average depth holds about 50,000 gallons of water.

Arrangement for Piping

The arrangement of piping shown is adapted for use with any type of apparatus where the water is heated, purified and used over and over again.

Water Supply: The tank is initially filled by passing the water through the sterilizing apparatus and heater into the tank through pipe C and the inlet fittings K-202 or K-203, at the two ends of the pool, below the surface of the water, thereby producing a good distribution.

Water Outlet: The water is circulated out of the tank into the heating and sterilizing apparatus through the bottom outlet drains K-511 and the pipes E. This arrangement, in combination with the inlet connections, produces an ideal circulation in the pool.

Scum and Floor Drains: The scum which accumulates on the surface is drained off into the sewer through the scum gutter drains K-701 and pipe B. The water from the floor is drained through drains K-202 or K-203, also into pipe B.

By removing the strainer from these drains, access to this pipe is had for removing any stoppage that may be caused by the scum. The pipe B is connected to the inner side of a trap and gives a free connection to the sewer at all times without any intermediate valves.

Sewer Connection: By opening the valve, the pipe F leading from drains K-511 and closing the valve in pipe E, the pool can be emptied into the sewer. These valves are easily accessible from the manhole shown.

Vaccuum Piping: Two conveniently located vaccum hose connections K-204C are shown. These are arranged to receive a plug attached to the end of the hose. These pipes are connected to any suitable vacuum pump.

Operating Equipment

The following is a general outline of the necessary equipment for operating pools:

Filtration: In order to meet the requirement of clear water, it becomes incumbent to have filters. The quartz type appears to give the best results. The filtering area should be one square foot for every 1200 gallons of pool capacity, thereby filtering all the water in the pool every 12 hours. Arrangements should be made to wash the filters into the sewer every 24 hours.

Heating: The temperature of the pool should be kept from 68° to 72° F., and a suitable heater should be installed for the purpose.

The difference in temperature assumed between the pool, the flow line, and the return line, taken in connection with the quantity of water in the pool, gives the total heat loss, from which a suitable heater can be figured. Automatic temperature controlling devices are very essential to the economic operation of a modern pool.

Sterilizing: There are three well developed sterilizing processes, all of which accomplish the desired results when rightly handled. They are as follows:

Ultra Violet Ray Process: The Ultra Violet Ray Process acts like sunlight and consists of passing water through containers in which the water comes in close contact with Ultra Violet Rays thrown off by Quartz Vapor Arc Lamps. These rays destroy the pathogenic germ life present in the water.

Ozone Process: The Ozone Process consists of producing Ozone in a container by means of electricity and discharging it into the water, which becomes impregnated with it and the bacteria is thus destroyed.

Chlorine Process: The Chlorine Process consists of dosing the water, after it leaves the filter, with a pre-determined amount of liquid chlorine. Chlorine has been known as a very high-grade destroyer of bacteria. There are several automatic appliances for feeding the proper amount of chlorine into the water.

Circulation Pump: A motor-driven turbine pump is best suited for circulating the water. It should have sufficient capacity for handling the entire contents of the pool in eight hours.

Vacuum Pump: A standard motor-driven vacuum pump should be provided, with sufficient capacity to operate a 2-inch hose.

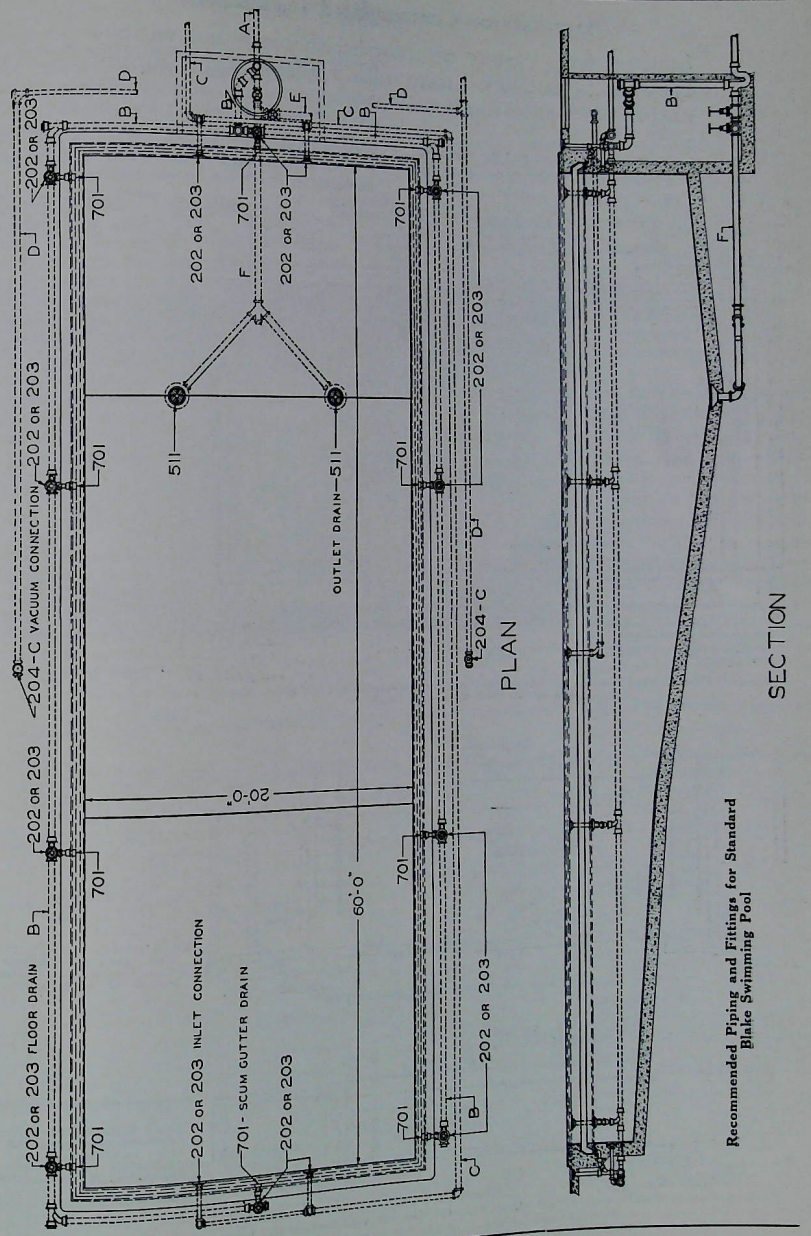
Recommended Fittings for 20x60-Foot Pool

Screwed Pipe:

8 2-inch 701C Scum Gutter Drains
8 2-inch 202C or 203C Floor Drains
4 2-inch 202C or 203C Inlets
2 4-inch 511C Circular Bottom Drains
2 2-inch 204C Vacuum Connections

Bell and Spigot Pipe:

8 2-inch 701B Scum Gutter Drains
8 2-inch 202A or 203A Floor Drains
4 2-inch 202A or 203A Inlets
2 4-inch 511A Circular Bottom Drains
2 2-inch 204C Vacuum Connections



Recommended Piping and Fittings for Standard Blake Swimming Pool

Hy-Tech Products

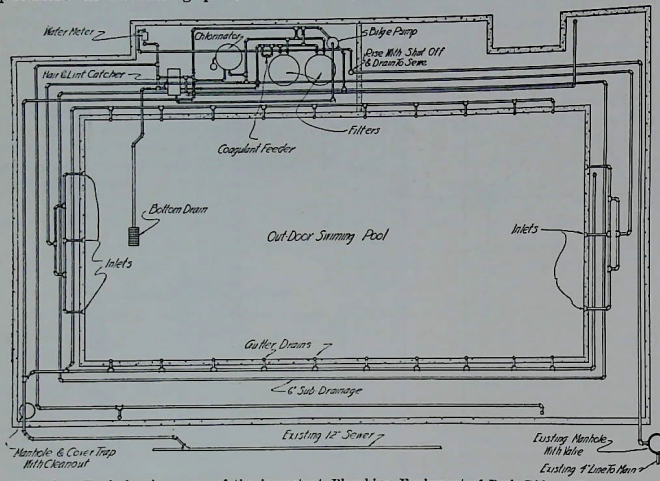
Diagrams for Contemplated Installations

Suggest wide variety of construction plans and various types of layout to conform with available water supply and maintenance funds.

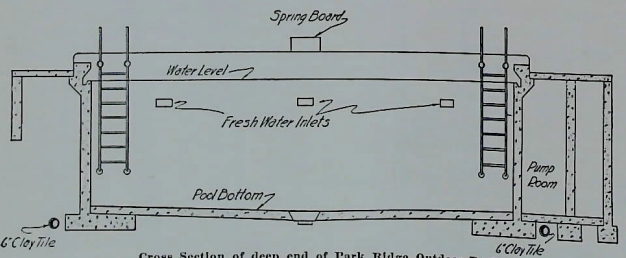
Plumbing equipment, though not in evidence to the casual observer, is of the most vital importance in swimming pool construction, and because most of the fittings are set in concrete it is doubly important that their quality and efficiency in operation be predetermined.

Blake Fittings bear an enviable record in swimming pool achievement, largely because drainage forms the major problem in construction — a subject our engineers have mastered through many years of constant association with most of the major building operations in the country.

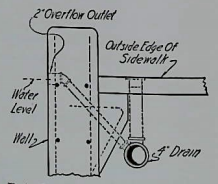
We are also prepared to make any Special Fittings or Drains to service peculiar conditions that may arise in any construction.



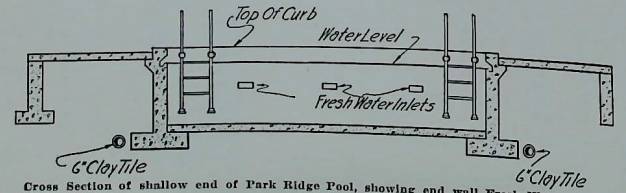
Out-door Pool showing some of the important Plumbing Equipment of Park Ridge, Illinois, Pool Size 50x100 feet. Total cost $30,000.



Cross Section of deep end of Park Ridge Outdoor Pool



Detail Section through Pool Wall, showing alternate scheme for overflow outlets instead of scum gutter.



Cross Section of shallow end of Park Ridge Pool, showing end wall Fresh Water Inlets.

Illustrations reproduced through the courtesy of Plumbing & Heating Contractors Trade Journal

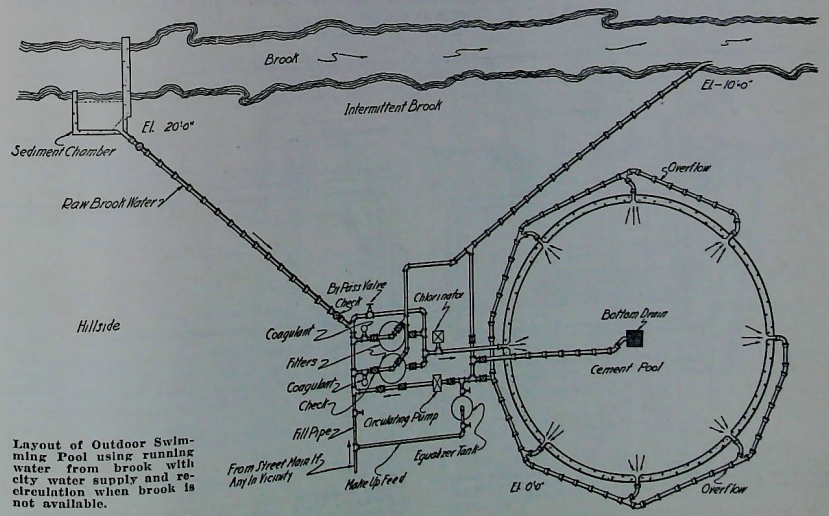
The "Old Swimming Hole" Modernized

Out of doors, shallow at the edges, deep in the middle—to accommodate "little tots" as well as their big brothers and sisters, modernized with concrete and specialized plumbing fittings so it is entirely sanitary—a safe place for all to enjoy the greatest of all American Sports—Swimming.

Through the courtesy of the Plumbers and Heating Contractors Trade Journal we show a picture of the new swimming pool at Urbana, Ill., which will accommodate 2,000 people. Below a layout showing the practicability of using water supply from a nearby stream, augmented by city water and recirculation and filtration when natural supply is not available. With modifications this plan may be used for the more economical method of obtaining the entire water supply from a stream, if available.

The Blake Engineering Department has a wide variety of swimming pool plans from which you may select a layout to fit your local conditions. They will also be glad to suggest the most efficient intake and drainage fittings if you send blue prints of the pool which you have planned.

New Swimming Pool at Urbana, Illinois. Courtesy—Plumbing & Heating Contractors Trade Journal



Layout of Outdoor Swimming Pool using running water from brook with city water supply and recirculation when brook is not available.

Courtesy Plumbing & Heating Contractors Trade Journal.

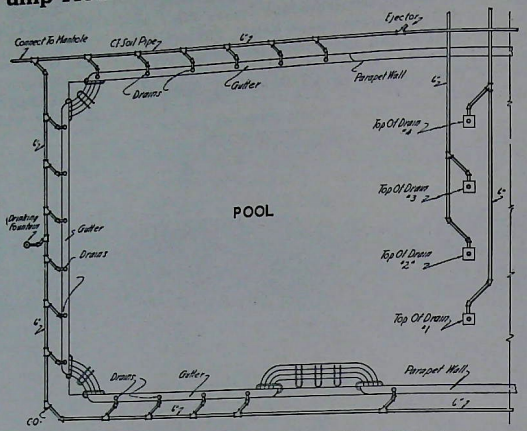
Hy-Tech Products

Blake Fittings Promote Sanitation in Bath House—Pump House and Pool

Sanitation should be the first consideration in planning a Swimming Pool.

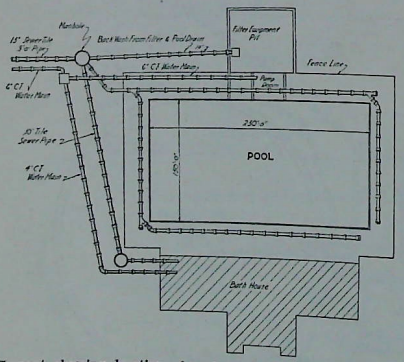
Every phase of construction from the water intake to the water discharge should be thoroughly checked by competent sanitary engineers to make sure that every precaution is taken to provide cleanliness. This precaution will be well repaid in public approval and the popularity of the pool.

Proper fittings to assure thorough circulation and drainage are essential — there should be no "dead spots" in the pool for water to become stagnated — intake should be so arranged that the bottom water as well as the surface is kept active—efficient skimming drains should be installed to keep the surface free from scum and debris—bottom drains should be of a type to insure thorough drainage and promote the scrubbing action so desirable in maintaining a uniformly clean pool.

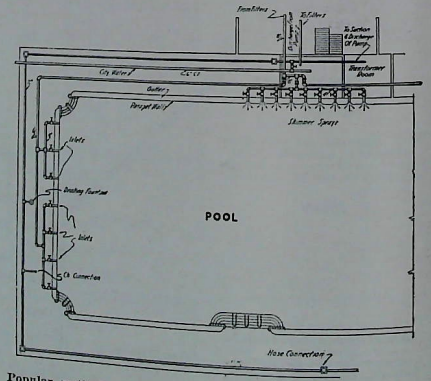


Portion of Swimming Pool layout showing gutter outlets with drains to sewer and pool drains to circulation pump—Courtesy Plumbers & Heating Contractors Trade Journal.

Let us Co-operate with you by suggesting the most efficient fittings for YOUR SWIMMING POOL



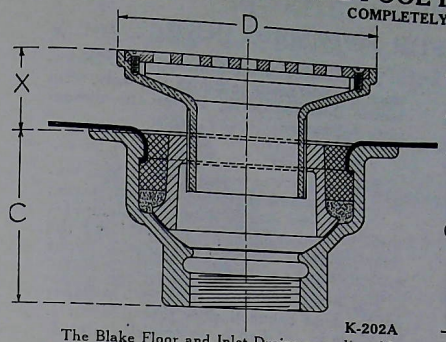
Layout showing location of pool, bath house, pump room and filter plt. as well as sewer and water mains—Courtesy Plumbers & Heating Contractors Trade Journal.



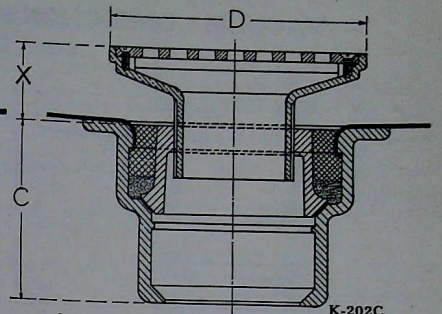
Popular method of water supply at ends and side of pool is shown in above layout—Courtesy Plumbers & Heating Contractors Trade Journal.

BLAKE SWIMMING POOL FLOOR AND INLET DRAINS

COMPLETELY ADJUSTABLE



K-202A



K-202C

The Blake Floor and Inlet Drains are adjustable vertically 1-inch, and have a tilting adjustment of 15° in any direction. These movements permit the surface of the strainer being placed level with the pool floor or wall, no matter how it slopes or how inaccurate the pipe connections are made.

LIST PRICES

No.	Size	C	D	X	Plain or N. P.	With Galv. Body	All Brass	Add for Chrome Plating	Add for White Metal Top	Wt.
K-202A	2″	3 1/16″	5″	1″	$ 7.50	$ 8.50	$12.00	$ .80	$2.00	6 lbs.
K-202A	3″	3 1/2″	6″	1 1/8″	10.50	12.00	16.50	1.00	2.75	8 lbs.
K-202C	2″	3 1/8″	5″	1″	7.50	8.50	12.00	.80	2.00	6 lbs.
K-202C	3″	3 1/2″	6″	1 1/8″	10.50	12.00	16.50	1.00	2.75	8 lbs.

The X dimension is the minimum. The amount of the adjustment is 1-inch in all cases. Regular slots or 7/16-inch round holes are furnished, as desired. Strainers with slots will be furnished unless otherwise ordered.

Weep Holes can be furnished when specified, but if Strainers are removable for cleaning.

A lead sheet is caulked into the top of the fitting, so as to prevent a seepage around it.

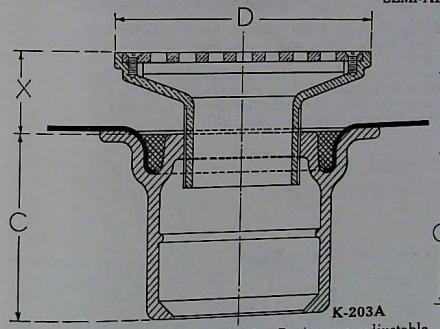
Red brass strainers furnished either plain, polished or nickel-plated. Furnished in 2-inch and 3-inch sizes.

Drains are placed below water line, be sure and specify "No Weep Holes."

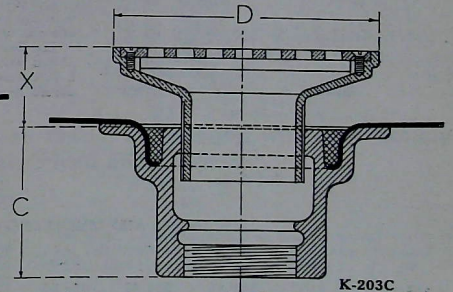
For Solder Joint Outlet, add list 16c for each 1/4" of the nominal size of outlet, and this same rate applies to additional outlets, if any.

BLAKE SWIMMING POOL FLOOR AND INLET DRAINS

SEMI-ADJUSTABLE



K-203A



K-203C

These Blake Floor and Inlet Drains are adjustable vertically 1-inch, and have arrangement for connecting caulking sheet lead to the body of the connection so as to prevent seepage around it.

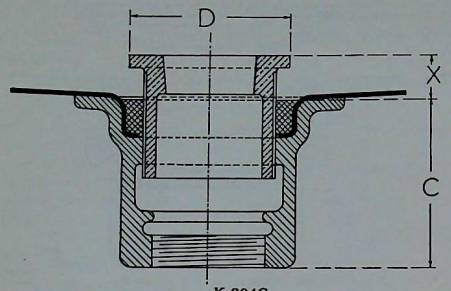
The strainers are made of red brass, and are removable for cleaning. Regular slots or 3/16-inch holes are furnished in the strainers, as desired. Made in 2-inch and 3-inch sizes, and furnished either polished brass or nickel-plated.

LIST PRICES

No.	Size	C	D	X	Plain or N. P.	With Galv. Bodies	All Brass	Add for Chrome Plating	Add for White Metal Top	Wt.
K-203A	2″	2 7/8″	5″	1″	$ 7.50	$ 8.50	$12.00	$ .80	$2.00	5 lbs.
K-203A	3″	3″	6″	1 1/8″	10.00	12.00	16.50	1.00	2.75	7 lbs.
K-203A	2″	3 3/8″	5″	1″	7.50	8.50	12.00	.80	2.00	5 lbs.
K-203C	2″	3 1/2″	6″	1 1/8″	10.50	12.00	16.50	1.00	2.75	7 lbs.
K-203C										

WHEN DRAINS ARE USED BELOW WATER LINE, BE SURE AND SPECIFY "NO WEEP HOLES"

BLAKE
VACUUM CONNECTION FOR SWIMMING POOL



K-204C

This Blake Vacuum Connection for Swimming Pools is made in 2-inch size only, with female threaded outlet, having the dimensions following:

C	D	X	Wt.
3⅛"	3"	¾"	4 lbs.

The brass center is adjustable 1-inch vertically, the minimum dimensions being given. It is made tight in the flange by caulking. A sheet of lead is also fastened to it by the same caulking, thereby making it proof against seepage around it.

The brass center is made with a taper for the hose connection or threaded for I. P. Made in polished brass or nickel-plated, as desired.

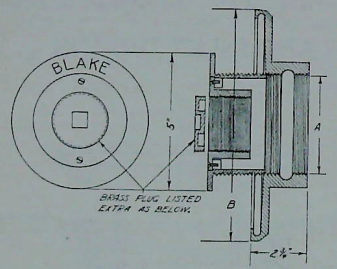
LIST PRICES

Polished Brass or N. P.	$6.00	All Brass	$8.00
With Galv. Body	6.50	For Chrome Plating, add	1.00

Add for White Metal Top $1.50

K-205 Series—BLAKE Vacuum Connection for Swimming Pool

With Safety Pan for Water-Proofing Membrane



K-204 Series

Specify "No Weep Holes" if used below the water line.

This design Vacuum Connection is somewhat different than the one shown above, and is also made in more than one size outlet.

The Brass Vacuum Connection is adjustable and is furnished either Pol. Brass, Nickel or Chrome plated with 2" I. P. opening—no plug—no clamping device, unless so ordered. Brass Plug, if ordered, is flush with face plate.

LIST PRICES AND DIMENSIONS—Including Flashing Rings

Type	Outlet	IRON BODY Brass Japan'd	IRON BODY Conn. Galv.	All Brass	ADDITIONS White Metal	ADDITIONS Chrome Plate	A	B	Weight
K-205E	1½"	$10.50	$11.50	$14.50	$2.75	$1.00	1½"	7½"	7½ lbs.
K-205D	2"	10.50	11.50	14.50	2.75	1.00	2"	7½"	7½ lbs.
K-205F	3"	11.50	12.50	16.00	2.75	1.00	3"	9½"	10 lbs.
K-205G	4"	12.50	14.00	17.50	2.75	1.00	4"	10½"	12 lbs.
Deduct if Clamping Ring Not Wanted		1.00	1.50	2.50					
Brass Plug, add		1.00	1.00	1.00					

For Solder Joint Outlet, add list 16c for each ¼" of the nominal size of outlet, and this same rate applies to additional outlets, if any.

BLAKE SWIMMING POOL FITTINGS

K-702—Blake Cast Iron Inlet Connection with Polished Brass or Nickel-Plated Brass Adjustable Head

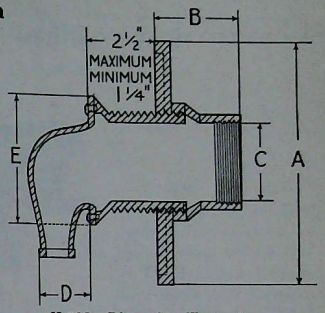
K-702

Flashing Rings are Extra

This is our K-25 cast iron Pan fitted with a brass screw neck inlet head.

Body is tapped for I. P. connection and arranged for flashing ring, if desired.

Specify "No Weep Holes" if used below Water Line.



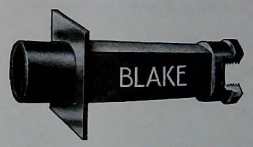
K-702—Dimension Illustration

MEASUREMENTS AND LIST PRICES

Size	A	B	C	D	E	Regular	Galvanized Body	All Brass	Add for White Metal Inlet	Weight	Flashing Rings Add to List
1½-in.	7½	2¼	1½	1¼	4	$11.00	$12.00	$15.00	$3.00	8½ lbs.	$1.00
2 -in.	7½	2¼	2	1¼	4	11.00	12.00	15.00	3.00	8½ lbs.	1.00
3 -in.	9	2½	3	1½	4½	12.00	13.00	16.50	3.00	10½ lbs.	1.10
4 -in.	10½	2½	4	1½	5½	13.00	14.50	18.00	3.00	13 lbs.	1.00

If exposed inlet head is to be chromium plated, add $1.50 to above list prices.

K-706—Blake Cast Iron Inlet or Outlet Connection for Use With Any of Our Swimming Pool Drains or Inlet or Outlet Heads

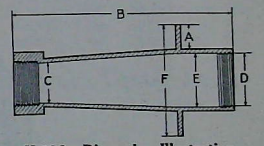


K-706

Made in cast iron in sufficient length to go through wall of pool.

Furnished black or galvanized. Outlet end is tapped for 2-inch I. P., while other end is tapped to receive various drain heads.

Body and flange is made square, providing a good and immovable anchorage in the concrete.



K-706—Dimension Illustration

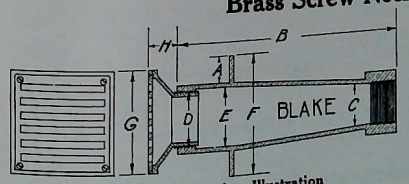
MEASUREMENTS

A	B	C	D	E	F
1	13½	2	2	2½	5

LIST PRICES

Size	Black	Galvanized	All Brass	Weight
2-inch	$4.75	$6.25	$10.50	10 lbs.

K-706A—Blake Cast Iron Inlet or Outlet Connection with 4x4 Square Brass Screw Neck Head and Strainer



K-706A—Dimension Illustration

This is the same connection as K-706, except that it is shown with Strainer Head attached. Larger square or round Strainer Heads can be supplied.

MEASUREMENTS IN INCHES

A	B	C	D	E	F	G	H	Wt.
1	13½	2	2	2½	5	4	1½	12 lbs.

LIST PRICES

Japanned	Galv.	All Brass	Chrome Add	White Metal Strainer Add
Size 2—4"x4" Str. $8.50	$10.00	$14.30	$ .60	$1.80

Hy-Tech Products

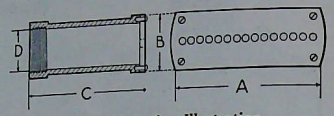
BLAKE SWIMMING POOL FITTINGS

Blake All-Brass Underwater Inlet Connections for Swimming Pool

With inlet connections, such as are shown herewith, a spray of fresh water may be had under the top of pool water. K-703 is arranged with a series of holes for supply, and if straight connection is not wanted the K-704 45-degree connector will provide space for other water lines that may be in the way if straight connection were made.

K-705 shows another form of inlet connection with extended flaring outlet.

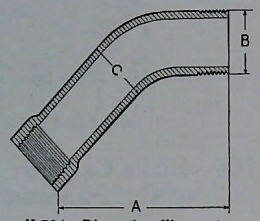
K-703



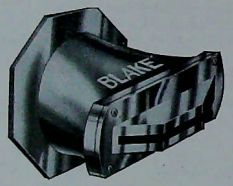
K-703—Dimension Illustration

A—9 inches B—1½ inches
C—4¼ inches D—2 inches I. P.

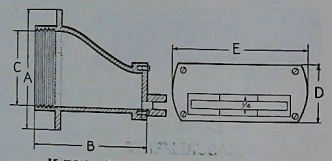
K-704



K-704—Dimension Illustration



K-705



K-705—Dimension Illustration

A—5 inches B—4 inches D—1½ inches
E—5 inches

LIST PRICES

	Size	Weight	Price
K-703	2-inch	4 lbs.	$8.00

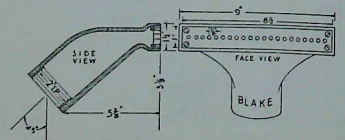
If face is to be Chromium Plated, add $ .70.
If White Metal face, add $1.50

	Size	Weight	Price
K-705	2½-inch	5 lbs.	$9.50

If Chromium Plated, add $1.00.
If White Metal face, add $1.50.

	Size	Black	Galvanized	All Brass	Weight
K-704	2-inch	$1.00	$1.35	$3.00	3 lbs.

K-703A—Blake All Brass Underwater Inlet Connection



K-703A—Dimension Illustration

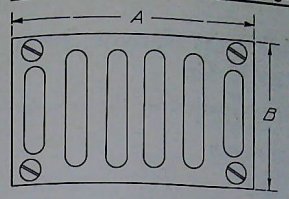
For Swimming Pool

Built to provide a spray of fresh water under the surface of the pool, and so arranged that its construction will avoid other water lines. If the holes are wanted larger, use a file.

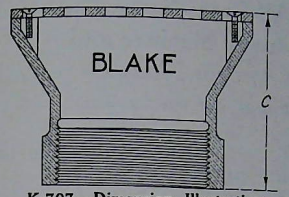
LIST PRICES

	Nickel Plated	Chromium Plated	Weight
K-703A—2-inch	$10.50	$11.30	5 lbs.

If White Metal face, add $1.50



BRASS BODY AND STRAINER



K-707—Dimension Illustration

K-707—Blake All Brass Gutter Drain

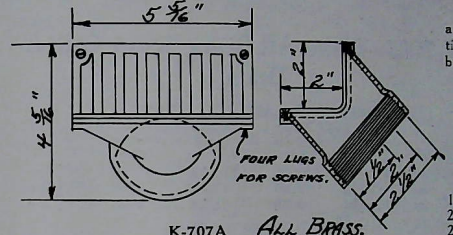
This all brass gutter drain can be furnished with concave face plate if desired, but is regularly furnished with flat plate and outlet tapped 2-inch female pipe thread, unless otherwise specified.

LIST PRICES

Size Outlet	Drain With Pol. or N. P. Top	Drain With Chrome Top	Drain With White Metal Top
1½ or 2-in.	$4.50	$5.10	$6.00
2½-in.	7.00	8.00	9.75
3 -in.	7.00	8.00	9.75

DIMENSIONS

Size—I. P.	A	B	C	Wt.
1½ or 2"	3¾	2¼	2¾	1¾ lbs.
2½"	5⅜	2½	2¾	2¾ lbs.
3"	5⅜	2½	2¾	3 lbs.



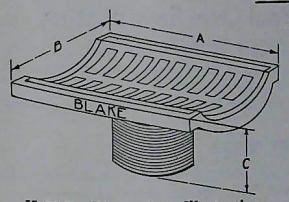
K-707A ALL BRASS.

K-707A—Blake All Brass Angle Scum Gutter Drain

For use where angle drain is desired. Outlet is at a 45 degree angle. In an angle pattern, drainage continues at the vertical grate if the flat surface should become obstructed.

LIST PRICES

Size Outlet	Strainer Face Size Plain and Vertical	All Brass	Drain With Chrome Plated Top	Drain With White Metal Top	Weight
1½-in.	5½x2	$6.50	$7.50	$9.25	2½ lbs.
2 -in.	5½x2	6.50	7.50	9.25	2½ lbs.
2½-in.	5½x2	6.50	7.50	9.25	2½ lbs.



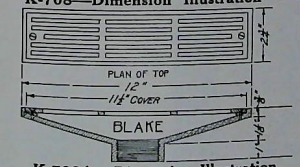
K-708—Dimension Illustration

K-708—Blake All Brass Concave Gutter Drain

This drain can be furnished in three sizes, and the outlet can be furnished female I. P. if so ordered.

LIST PRICES AND DIMENSIONS

Size Outlet	A	B	C	Pol. or N. P. Drain	Chrome Plated Drain	Weight
1½ or 2-in.	5	2½	3	$6.00	$6.80	4 lbs.
3-in.	5½	4	3	7.00	8.00	6 lbs.
4-in.	7½	7	3	10.00	11.00	10 lbs.



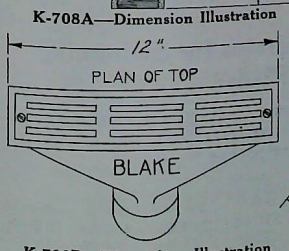
K-708A—Dimension Illustration

K-708A—Blake All Brass Semi-Narrow Scum Gutter Drain

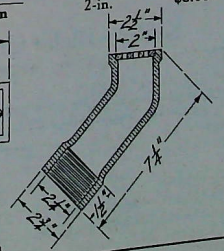
Can be furnished with concave or flat strainer, but flat strainer will be shipped unless otherwise specified.

LIST PRICES

Size Outlet	Pol. Brass or N. P.	Chrome Plated	White Metal	Weight
2-in.	$8.00	$9.00	$10.00	3 lbs.



K-708B—Dimension Illustration

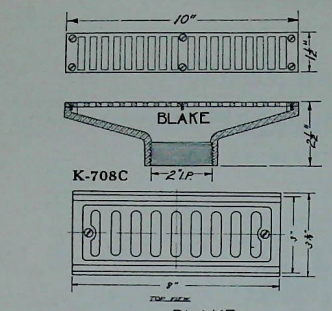


K-708B—Blake All Brass Screen Gutter Drain with 45° Outlet

Can be furnished with concave or flat strainer, but flat strainer will be shipped unless otherwise specified.

LIST PRICES

2-inch—Pol. brass or N. P.	$15.00
2-inch—Chrome plated	16.00
2-inch—White metal	18.75
Approximate weight	4½ lbs.



K-708C—Blake All Brass Narrow Scum Gutter Drain

Can be furnished with concave or flat strainer, but flat strainer will be shipped unless otherwise specified.

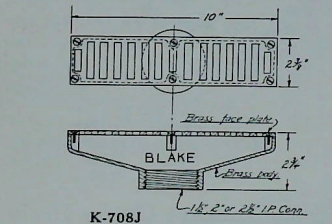
LIST PRICES

Size Outlet	Pol. Brass or Nickel Plated	Chrome Plated	White Metal	Weight
2-in.	$7.00	$8.00	$9.00	2¾ lbs.

K-708F—Blake All Brass Scum Gutter Drain with Convex Strainer and Body with Anchor Flange

DIMENSIONS AND LIST PRICES

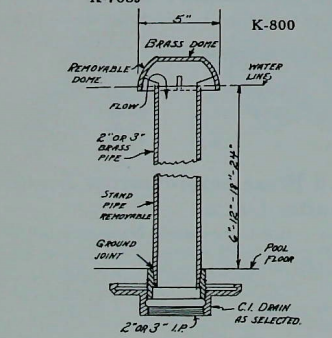
Size Outlet Male or Female	Strainer Top	Polished or N. P. All Brass	Drain White Metal	Drain Chrome Plated	Weight
1¼-in.	8x3⅜	$7.50	$10.50	$8.50	4¾ lbs.
1½-in.	8x3⅜	7.50	10.50	8.50	4¾ lbs.
2 -in.	8x3⅜	7.50	10.50	8.50	4¾ lbs.



K-708J—Blake All Brass Scum Gutter Drain

DIMENSIONS AND LIST PRICES

Outlet	Strainer Top	All Brass	White Metal Strainer	Chrome Plate	Weight
1½-in.	10x2⅜	$8.50	$11.25	$9.50	3½ lbs.
2 -in.	10x2⅜	8.50	11.25	9.50	3½ lbs.
2½-in.	10x2⅜	8.50	11.25	9.50	3½ lbs.



K-800—Blake Pool Overflow Fixture

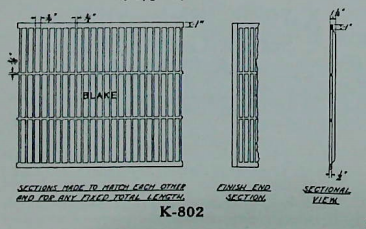
Suitable for swimming pool lanes, wading pools, fountain pools or for any circulation of water at a fixed level, yet so arranged as to permit the pool to be emptied quickly.

Brass standpipe furnished for any level and fitted into ground joint for quick removal.

LIST PRICES

NOTE—Add to list price of size and type of drain decired. Standpipe, dome and adjustable collar-drain, extra as selected.

Height	Standpipe Diameter	Polished or N. P.	Chrome Plated
6-in.	2-in.	$ 6.30	$ 9.20
12-in.	2-in.	8.10	11.50
18-in.	2-in.	9.80	15.20
24-in.	2-in.	11.70	19.10
6-in.	3-in.	8.10	11.50
12-in.	3-in.	11.70	17.10
18-in.	3-in.	15.30	22.70
24-in.	3-in.	18.90	28.30

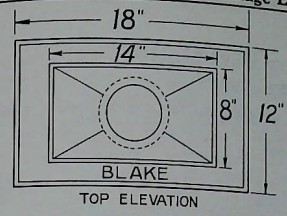


K-802—Blake Grates for Swimming Pools

For outdoor pools over outlet trough. Heavy construction and reinforced underneath with supporting ribs.

LIST PRICES

Size Sections	Cast Iron	Cast Iron Galv.	Polished Brass or N. P.	Chrome Plated	White Metal	Weight
12x20"	$8.00	$10.75	$18.00	$22.00	$27.00	27 lbs.
18x24"	12.00	16.50	36.80	44.80	54.80	46 lbs.

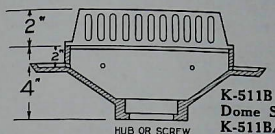


K-511B and K-512—Blake Gutter Drains

With and Without Safety Waste Pans and with Semi-Dome or Flat Strainers

Made extra heavy and suitable for narrow gutters in terrace or balcony floors, swimming pools, or any location requiring narrow drain with larger water way.

Furnished also with brass top and in outlets from 3" to 6", either for screw or soil pipe.



K-511B with Dome Strainer
K-511BA with Flat Strainer

List Prices for K-511B with Dome Strainer

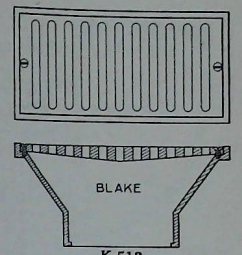
Black	Galv.	With Pol. Brass Top Black	Galv.	All Brass	Weight
$14.00	$18.50	$26.00	$30.50	$36.00	35 lbs.

K-511BA with Flat Strainer

13.00	17.50	22.00	25.50	32.00	30 lbs.

For Chrome Plating, add $5.00.
For Clamping Ring, add $3.00 for Black—$4.50 for Galvanized and $6.00 for Brass.
For White Metal Top, add $6.50.

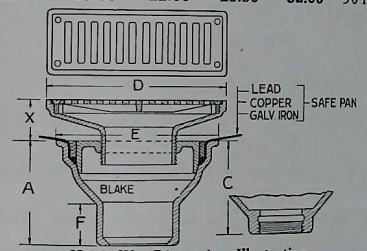
Top 5"x10"



List Price for K-512

Black	Galv.	With Pol. Brass Top Black	Galv.	All Brass	Weight
$5.00	$6.75	$9.00	$10.75	$13.00	11 lbs.

For Chrome Plating, add $1.50. White Metal Top $3.50



K-701W—Dimension Illustration

K-701W Blake Scum Gutter Drain

with Bottom Outlet and 2⅜"x10" Strainer Face and with angular adjustment up to 15 degrees in any Direction

This is exactly the same drain as our K-701E, with the exception that this one is bottom outlet while K-701E is with angle side outlet.

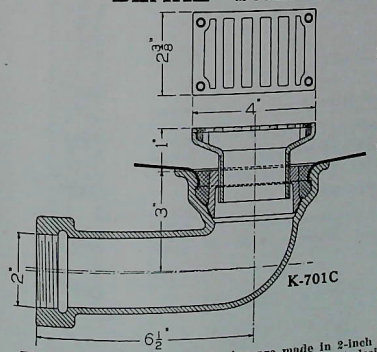
Bottom outlet can be furnished for soil or screw pipe, as shown.

LIST PRICES

Size	Strainer	Polished Brass or N. P.	All Brass	Wt.
K-701W—2-inch	2⅜"x10"	$7.50	$10.00	6 lbs.

For Chromium Plating, add $1.00. White Metal Top $3.

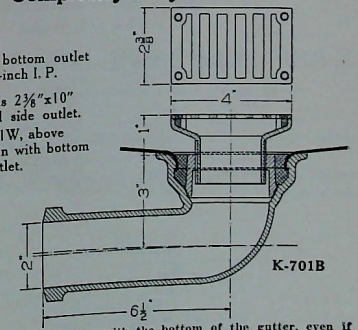
BLAKE—Scum Gutter Drains—Completely Adjustable



K-701D has bottom outlet tapped 2-inch I. P.

K-701E has 2⅜"x10" strainer and side outlet.

See K-701W, above for same drain with bottom outlet.



These Blake Scum Gutter Drains are made in 2-inch sizes only, which is the size best adapted for the best designed gutters. The strainer is long and narrow, and is adjustable in both a vertical and angular direction. The angular adjustment is 15° any direction, while the vertical adjustment is 1-inch. The dimension given in the cuts is for the lowest postion.

The advantage of these adjustments is to be able to place the strainer in line with the bottom of the gutter, even if the roughing-in is improperly done.

A lead pan is caulked into the top of the drain at the same time as the angular adjustment is fastened to anchor it into the concrete and prevent seepage around the body of the drain.

When the strainer is removed there is a full size opening for cleaning. These are made with either plain or nickel-plated strainers, as per the following list:

LIST PRICES

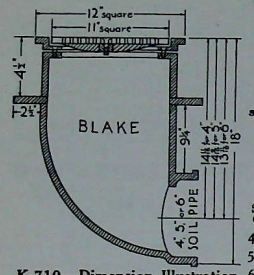
No.	Size	Strainer	Plain or N. P.	Wt.
K-701B	2-inch	2⅜x4	$5.00	9 lbs.
K-701C	2-inch	2⅜x4	5.25	9 lbs.

No.	Size	Strainer	Plain or N. P.	Wt.
K-701D	2-inch	2⅜x4	$4.50	9 lbs.
K-701E	2-inch	2⅜x10	8.00	10 lbs.

Chrome Plating add 10% to above list prices.

Add for White Metal Top, size 2⅜"x4", $1.50—size 2⅜"x10", $3.00

Hy-Tech Products



K-710—Dimension Illustration

K-710—Blake Swimming Pool Outlet Drain

Screw or Hub Side Outlet

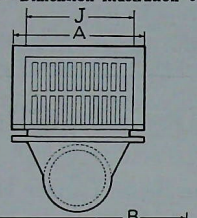
Made extra heavy cast iron with 12"x12" square brass top and 11" round brass strainer.

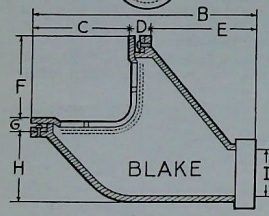
The body has an anchor flange, as illustrated.

Made with 4, 5 and 6-inch outlets.

LIST PRICES

Size of Outlet	All Cast Iron	All Cast Iron Galv.	Black Iron with Brass Top	Galvanized Iron with Brass Top	Add for Chromium Plated Top	Add for White Metal Top	Weight
4-inch	$34.00	$45.50	$43.00	$52.50	$4.00	$9.00	85 lbs.
5-inch	34.00	45.50	43.00	52.50	4.00	9.00	85 lbs.
6-inch	34.00	45.50	43.00	52.50	4.00	9.00	85 lbs.





K-709

K-709—Blake Angle Shower or Pool Drain

or for purposes where Angle Strainer is desireable

Heavy Iron Body with removeable grating and brass flashing ring.

Can be furnished for screw or soil pipe connection. The drain can be used so that outlet is either horizontal or vertical.

Sizes and Dimensions

Size	A	B	C	D	E	F	G	H	I	J
5"x3"	7½	10⅜	4¼	1⅛	5	4¼	1⅛	3	2" or 3"	5"
10"x6"	13¼	16⅝	7	1⅛	8½	7	1⅛	5	4-5 or 6"	10"

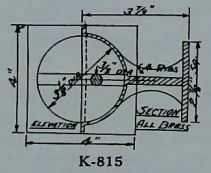
List Prices

Grate	Size of Outlet	Jap.	Galv.	Brass	With Brass Top Jap.	With Brass Top Galv.	Add to List Chrome	Add to List White Metal	Weight
				Small Size					
5"x3"	2" or 3"	.....	.....	$28.50	$18.50	$21.00	$4.00	$9.00	25 lbs.
				Large Size					
10"x6"	4"-5" or 6"	28.00	36.00	71.50	40.00	46.00	6.00	16.00	55 lbs.

K-815—Blake Brass Lane Marker

Anchorage for Cables in Swimming Pools.

Face plate sets flush with wall. Concave depression is fitted with ⅜" diameter bar to which cables are attached. Square flange in the concrete affords solid anchorage.



K-815

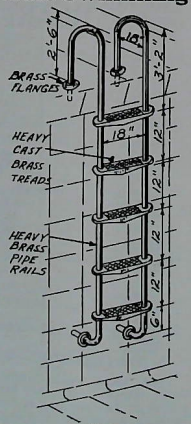
List Price

N. P. or Pol. Brass	Chrome Plated	Wt.
$5.50	$6.10	4 lbs.

K-810—Blake All Brass Swimming Pool Ladder

Regularly furnished 5 steps — rails and treads Polished Brass or Dull finish unless otherwise specified.

Can also furnish longer and different distance between treads.

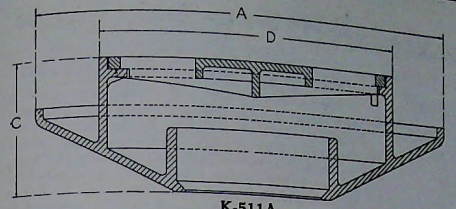


K-810

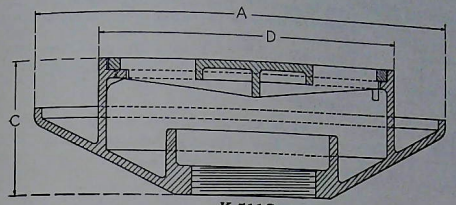
List Prices

5 Step Ladder, complete

Dia. Rails	Pol. or Dull Brass	Nickel Plated	Chrome Plated	Add or Deduct per Step Pol. or Dull Brass	Nickel Plated	Chrome Plated
1¼	$84.00	$92.40	$105.00	$12.00	$13.20	$15.00
1⅝	100.00	110.00	120.00	13.00	14.30	16.25
2	112.00	121.20	140.00	14.00	15.40	17.50



K-511A



K-511C

Heavy Circular Floor and Pool Bottom Drains

The Blake Heavy Circular Floor and Pool Bottom Drain bodies are made of heavy cast iron, and they can be furnished with either cast iron or red brass grates and rims.

Suitable for Pool Outlet where volume drainage is desired.

Any of these grates will stand a load of 2,000 pounds, thereby making them adaptable for places where they are subject to heavy loading, such as trucking, etc.

They are made with wide flanges, suitable for anchoring into concrete without any clamping arrangement.

No dirt can fall directly from the grate into the drain pipe, as the center of the grate over this is solid, and any dirt entering the grate falls directly into the dirt catcher surrounding the pipe which is provided for this purpose.

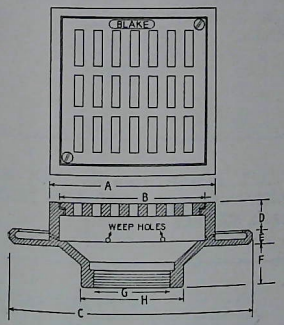
Made with bell or female threaded outlet.

A denotes bell outlet. C denotes tapped outlet.

LIST PRICES

		A	D	C	With Cast Iron Grate	Brass Rim & Grate Plain	Brass Rim & Grate N. P.	Add for White Metal Grate and Ring	Wt.
3"	K-511C	14"	10"	4¼"	$14.50	$27.00	$29.00	$6.00	28 lbs.
3"	K-511A	14"	10"	4¼"	14.50	27.00	29.00	6.00	28 lbs.
4"	K-511C	14"	10"	4¼"	14.50	27.00	29.00	6.00	28 lbs.
4"	K-511A	14"	10"	4¼"	14.50	27.00	29.00	6.00	28 lbs.
5"	K-511C	21"	16"	5⅜"	28.00	52.00	56.00	10.00	100 lbs.
5"	K-511A	21"	16"	5⅜"	28.00	52.00	56.00	10.00	100 lbs.
6"	K-511C	21"	16"	5⅜"	29.00	53.00	57.00	10.00	100 lbs.
6"	K-511A	21"	16"	5⅜"	29.00	53.00	57.00	10.00	100 lbs.

For Chromium Plating, Brass Rim and Strainers, add 5% to N. P. List Prices.



K-511S

K-511S—Blake Swimming Pool Main Outlet Drain with Safety Pan

Flashing Ring is Extra

This Drain is the same as our K-42J, except that it has a 10-inch square frame with an 8-inch strainer. It can also be furnished with hinged strainer at extra list as shown below.

Can also be furnished with outlet for soil pipe, but this will make total depth about 1¼ inch more. If this drain is ordered for swimming pool outlet do not fail to specify—"no weep holes."

Made for 2, 3 or 4-inch screw or soil pipe connection.

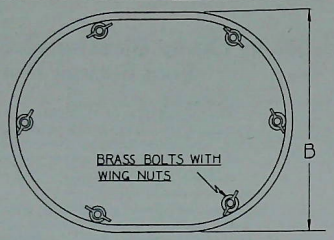
LIST PRICES

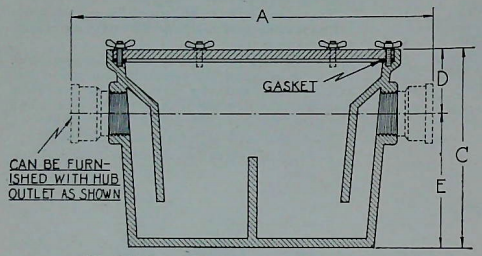
Size	Black All Iron	Galvanized All Iron	With Polished Brass Top Black Body	With Polished Brass Top Galv. Body	All Brass	For Hinged Strainer, Add	For Flashing Ring, Add	Weight
2-inch	$10.00	$13.50	$16.50	$19.50	$27.00	$1.50	$1.50	30 lbs.
3-inch	10.00	13.50	16.50	19.50	27.00	1.50	1.50	30 lbs.
4-inch	10.00	13.50	16.50	19.50	27.00	1.50	1.50	30 lbs.

Add for White Metal Top, 2, 3, or 4-inch $6.00.

REPAIR PARTS

	Black	Galvanized	All Brass
Body Only, for 2, 3 or	$6.50	$8.50	$18.00
4-inch size	4.00	5.00	7.00
Strainer and head only	2.50	3.50	5.50
Strainer only			





K-140 Series—Blake Grease Traps

Furnished with either hub or screwed outlet.

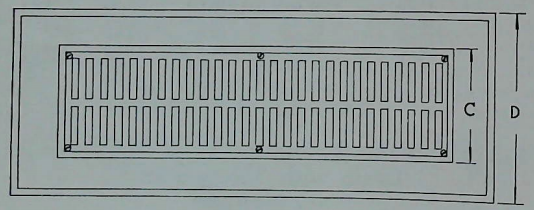
Here is a very practical grease trap made in two sizes. Is adaptable for any use and is very efficient. Note they have a baffle plate cast integral in center of trap which causes the greasy water to flow to the top after entering the trap. Greace being lighter than water is injected to the bottom and must cross over top of baffle seeking an outlet, and as the outlet opening is close to bottom, making it impossible for the grease to descend to outlet, the result is that the grease comes to the top and is held there. Traps have full-sized top, fit perfectly into chime and secured by a series of wing nuts, making it a very easy operation to remove grease.

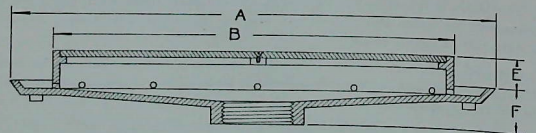
Small Size—12x8x9-inches Deep
Large Size—19x11⅛x10-inches Deep

LIST PRICES

	Size Outlet	Regular	Vitreous Enamel Inside Only	Vitreous Enamel Inside and Out	Weight
Small	1½"	$14.00	$20.50	$28.50	45 lbs.
Large	2 "	16.00	24.00	34.00	86 lbs.

K-45G—Blake All-Purpose Gutter and Therapeutic Drain





For use in hospitals, hydrotherapy rooms, gang showers, terrace and balcony floors, and window recesses. Can be furnished in any size or type outlet that width of body will permit. The following specifications show the wide variety of strainer sizes we can furnish.

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

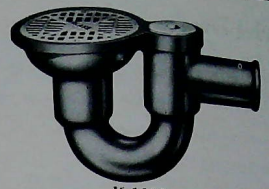
LIST PRICES

Size Strainer	Size Outlet	Black Cast Iron	Galv. Cast Iron	Cast Iron Body, Pol. Brass or N. P. Top	Galv. Body Pol. Brass or N. P. Top	Cast Brass Body, Pol. or N. P. Top	ADD TO LIST PRICE OF BRASS TOP FOR Chrome Plated Top	White Metal Top
14x8-in.	2 to 6-in.	$13.00	$17.50	$22.00	$25.50	$32.00	$4.00	$11.00
18x5-in.	2 to 4-in.	10.00	14.50	18.00	20.70	26.00	3.25	9.00
24x6-in.	2 to 6-in.	16.00	23.00	29.00	33.25	41.75	5.00	15.00
24x8-in.	2 to 6-in.	22.00	30.75	38.50	44.25	55.75	6.75	19.50
32x6-in.	2 to 6-in.	22.00	30.75	38.50	44.25	55.75	6.75	19.50
32x8-in.	2 to 6-in.	28.00	41.00	51.25	58.75	74.25	9.00	25.50

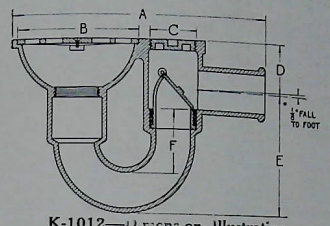
Add for black flashing ring, $2.00; galvanized, $3.00; brass, $4.00.

SIZES AND DIMENSIONS

Size Strainer	Size Outlet	A	B	C	D	E	F	Approx. Weight
14x8-in.	2 to 6-in.	18½	14	8	12¼	1¾	3¾	32 lbs.
18x5-in.	2 to 4-in.	22	18	5	9	1¾	3¼	37 lbs.
24x6-in.	2 to 6-in.	29	24	6	11	1¾	3¼	43 lbs.
24x8-in.	2 to 6-in.	28½	24	8	12¼	1¾	3¼	58 lbs.
32x6-in.	2 to 6-in.	36½	32	6	11	1¾	2½	58 lbs.
32x8-in.	2 to 6-in.	37	32	8	12½	1¾	2½	75 lbs.



K-1012



K-1012—Dimension Illustration

K-1012—Blake Combined Drain and Deep Seal Trap with Back Water Valve and Threaded Brass Surface Cleanout

WITH AND WITHOUT DOUBLE DRAINAGE FOR ANY KIND OF FLOOR CONSTRUCTION

Here is a very practical floor drain with combined trap with a surface cleanout. Especially adapted for use in boiler rooms, coal rooms, ash pits, garages, utility rooms where drain is seldom used, as the back water valve remains closed at all times, preventing sewer gas discharge in the event water evaporates from trap. Made in 2, 3 and 4-inch sizes, with brass, iron, or white metal top, either hinged or anti-tilt strainers. The threaded surface cleanout is larger than outlet, making it very easy to service. Has full water way through drain and can also be furnished with extra hub or iron pipe tapping in the bowl for auxiliary waste. Strainers are made heavy for all uses.

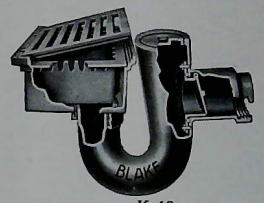
SIZES AND DIMENSIONS

Size	A	B	C	D	E	F
2-in.	17	7¼	2½	3	7½	3¾
3-in.	20	9	3½	3¼	8¾	4
4-in.	23½	11¼	4	4½	10	4½

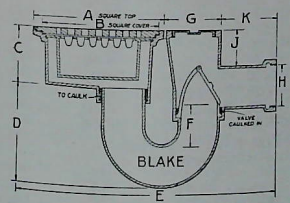
LIST PRICES

State Size Outlet	Black Cast Iron	Deduct if Less Brass Back Water Valve	Galvanized Cast Iron	All Brass	Black Body Pol. Brass or Nickel Plated Top	Galv. Body Pol. Brass or Nickel Plated Top	Add For White Metal Top	Add For Chrome Plated Top	Weight
2-in.	$14.00	$4.00	$18.00	$32.00	$21.50	$25.00	$6.00	$2.00	22 lbs.
3-in.	19.00	6.00	25.50	49.00	27.50	32.50	6.00	2.00	44 lbs.
4-in.	26.50	8.00	36.00	72.40	36.00	43.50	6.00	2.00	59 lbs.

K-48—Blake Industrial Drain with Sand Bucket and Brass Back Water Valve, Extra Heavy Hinged Bar Cover, Deep Seal Trap



K-48



K-48—Dimension Illustration

Recommended where all sediment is to be absolutely intercepted. Bucket lifts out. Trap is cast separate from body of drain, and is to be caulked in from top of drain by the contractor, as we ship loose.

A water-tight hinged brass back water valve is fitted into trap, but we can furnish less back water valve. A large brass screw plug cleanout at top permits easy access to the back water valve.

Furnished in 2, 3, 4, or 6-inch threaded outlet or spigot end. Weight 110 pounds.

Measurements of K-48 given below are subject to ¼-inch variation.

SIZES AND DIMENSIONS

Size	A	B	C	D	E	F	G	H	J	K	Weight
2-in.	13¼x14	12½	6	10¼	26	4	5¾	2	3¾	5⅞	110 lbs.
3-in.	13¼x14	12½	6	10¼	26	4	5¾	3	3¾	5⅞	110 lbs.
4-in.	13¼x14	12½	6	10¼	26	4	5¾	4	3¾	5⅞	110 lbs.
6-in.	13¼x14	12½	6	12	26	4	9	6	3½	1½	130 lbs.

LIST PRICES

State Size Outlet	Black Cast Iron	Add For Back Water Valve	Galv. Cast Iron	All Brass	Black Body Galv. Grate	Black Body Brass Grate	Galv. Body Brass Grate	Add For White Metal Top	Add For Chrome Top
2-in.	$32.50	$ 4.00	$46.00	$ 87.60	$34.00	$48.00	$60.00	$12.00	$5.00
3-in.	35.00	6.00	48.00	96.40	36.50	52.00	64.50	12.00	5.00
4-in.	38.50	8.00	53.50	107.20	40.00	56.00	69.50	12.00	5.00
6-in.	70.00	12.00	87.00	140.00	71.50	82.50	99.00	12.00	5.00

REPAIR PARTS FOR K-48

State Size Outlet	Black Cast Iron Grate	Galv. Grate	Brass Grate	Black Malleable Iron Grate	Black Cast Iron Mud Bucket	Galv. Mud Bucket	Brass Mud Bucket	Cleanout
2-in.	$4.00	$5.50	$12.00	$6.00	$5.50	$7.50	$15.00	$1.00
3-in.	4.00	5.50	12.00	6.00	5.50	7.50	15.00	1.00
4-in.	4.00	5.50	12.00	6.00	5.50	7.50	15.00	1.00
6-in.	4.00	5.50	12.00					

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products

K-42—Blake Safety Waste Industrial Drain

K-42—(Patented)

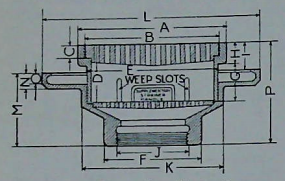
For Heavy Duty—With Supplementary Strainer—Flashing Rings are Extra

This drain is of extra heavy construction, with heavy top grate and supplementary strainer below. Top grate is anti-tilting. Has our accessible safety waste outlet, wherein the seepage ports can be cleaned at any time in the event of clogging, without damage to the floor construction.

Recommended for packing house, factory, warehouse, dairy floors, pits, or wherever large drainage is necessary.

SIZES AND DIMENSIONS OF K-42

Waste	A	B	C	E	F	I	J	L	M	N	P
2-inch	9¼	8⅜	¾	8⅛	6	1¾	4	13½	4¼	5⅛	6
3-inch	9¼	8⅜	¾	8⅛	6	1¾	4	13½	4¼	5⅛	6
4-inch	9¼	8⅜	¾	8⅛	6	1¾	5	18	5⅜	5⅛	6
5-inch	13¼	12¼	¾	12¾	8	1¾	6	18	5⅜	5⅛	6
6-inch	13¼	12¼	¾	12¾	8	1¾	6	18	5⅜	5⅛	6
8-inch	13¼	12¼	¾	12¾	9½	1¾	8	18	5⅝	¾	6½



K-42—Dimension Illustration

Any of above drains, in any size, can be furnished with hub ends without extra charge.

LIST PRICES

Size	Width Top K-42	K-42 Black	K-42 Galv.	With Fin. Brass Str. and Rim Add to List	Add for Chrome Plating	Add for Clamp Ring	Wt. K-42
2-inch	9¼	$14.50	$19.50	$11.00	$4.00	$2.00	32 lbs.
3-inch	9¼	14.50	19.50	11.00	4.00	2.00	32 lbs.
4-inch	9¼	14.50	19.50	11.00	4.00	2.00	32 lbs.
5-inch	13¼	24.00	33.00	20.00	6.00	2.50	40 lbs.
6-inch	13¼	25.00	34.00	20.00	6.00	2.50	48 lbs.
8-inch	13¼	28.00	37.00	20.00	8.00	4.00	60 lbs.

K-43—Blake Safety Waste Industrial Drain

K-43

For Heavy Duty—With Supplementary Strainer

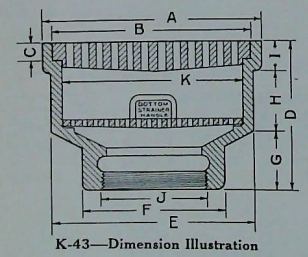
K-43 drain is the same pattern of drain as K-42, with exception of safety pan and drainage feature. Intended for ground floor installations where safety drainage is of no importance. Made extra heavy to stand rough usage. Provided with supplementary strainer to catch solids.

SIZES AND DIMENSIONS OF K-43

Waste	A	H	D	E	F
2-inch	9¼	8⅜	6¼	8½	5⅛
3-inch	9¼	8⅜	6¼	8½	5⅛
4-inch	9¼	8⅜	6¼	8½	5⅛
5-inch	13¼	12¼	6¼	12¾	8⅛
6-inch	13¼	12¼	6¼	12¾	8⅛
8-inch	14⅞	13⅝	6¼	13⅝	9½

LIST PRICES

Size	Width Top K-43	K-43 Black	K-43 Galv.	With Fin. Brass Str. and Rim add to list	Add for Chrome Plating	Wt. K-43
2-inch	9¼	$ 9.00	$12.00	$11.00	$4.00	25 lbs.
3-inch	9¼	9.00	12.00	11.00	4.00	25 lbs.
4-inch	9¼	9.00	12.00	11.00	4.00	25 lbs.
5-inch	13¼	11.00	15.00	20.00	6.00	31 lbs.
6-inch	13¼	12.00	17.00	20.00	6.00	38 lbs.
8-inch	14⅞	20.00	28.00	28.00	8.00	55 lbs.



K-43—Dimension Illustration

REPAIR PARTS FOR K-42 AND K43

Size	Black Heavy Top Grates	Diam.	Weight	Supplementary Strainers	Diam.	Weight
2-inch	$3.50	8⅜	5 lbs.	$1.50	7½	¾ lbs.
3-inch	3.50	8⅜	5 lbs.	1.50	7½	1½ lbs.
4-inch	3.50	8⅜	5 lbs.	1.50	7½	2 lbs.
5-inch	4.50	12¼	8 lbs.	2.50	11¾	4½ lbs.
6-inch	4.50	12¼	8 lbs.	2.50	11¾	4½ lbs.
8-inch	6.00	13½	15 lbs.	3.50	12¾	7 lbs.

K-42A and K-43A—Blake Reduced Sizes Industrial Drains

Of Same Design as K-42 and K-43—Made in 2 and 3-inch Sizes Only

LIST PRICES

Size	Width Top K-42A	Width Top K-43A	Black K-42A	Galv. K-42A	Black K-43A	Galv. K-43A	With Brass Top Add To List Either K-42A or K-43A	Add for Chrome Plating	Add for Clamping Ring	Wt. K-42A	Wt. K-43A
2-inch	5⅛	4½	$6.50	$ 8.50	$5.00	$6.50	$4.00	$ .80	$ .70	15 lbs.	12 lbs.
3-inch	7⅛	7⅛	8.00	10.50	6.50	8.50	7.00	1.20	1.00	20 lbs.	16 lbs.

Dimensions K-42A

Size	A	B	C	E	F	I	J	L	M	N	P
2	4½	4⅛	¾	4⅝	3⅜	1½	2	9	3¾	5⅛	4¾
3	7⅛	6⅛	¾	6⅝	4⅜	1¾	3	10	4¼	5⅛	5½

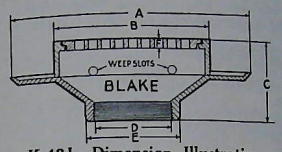
Dimensions K-43A

Size	A	B	D	E	F
2	4½	4⅛	3¾	4⅝	3⅜
3	9	8⅜	6¼	8½	4⅜

K-42J

K-42J—Blake Heavy Duty Industrial or Area Drain

Here is a very popular moderately priced drain. Being compact in construction, and having a safety pan makes it adaptable for use in dairies, cold storage rooms, areaways, basements, utility pits, etc. Is also very adaptable for promenade roof decks, outside balconies. In fact, in any place where concrete construction is used, making it necessary to use a double drainage drain. Can be furnished with brass top, white metal, with or without flashing rings; also back water valves, if required. Like all Blake drains, it is made with both screwed and caulked outlet. Note large variety of specifications applying to this drain.



K-42J—Dimension Illustration

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F
2-inch	13½	8¾	4½	2	3⅜	¾
3-inch	13½	8¾	4½	3	4½	¾
4-inch	13½	8¾	4½	4	5⅛	¾
5-inch	18	12	4½	5	8	1
6-inch	18	12	4½	6	8	1

LIST PRICES

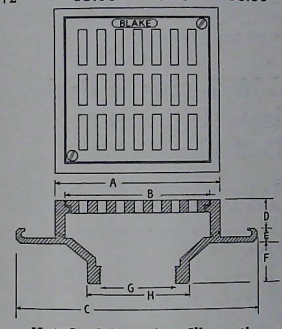
Size Outlet	Diameter Top	Cast Iron Japanned	Cast Iron Galv.	All Brass	Iron Body Brass Top Japanned	Iron Body Brass Top Galv.	Add for Chromium Plating	Add for White Metal	Add for Trimble Str.	Add for Galv. Grate	Add for Back Water Valve	Add for Inside Strainer	Add for Primer Tapping ¾"	Shipping Weight
2"	8¾"	$7.00	$9.50	$18.00	$13.50	$15.50	$2.00	$6.00	$1.00	$1.00	$4.00	$2.50	$1.00	20 lbs.
3"	8¾"	7.00	9.50	18.00	13.50	15.50	2.00	6.00	1.00	1.00	5.00	2.50	1.00	20 lbs.
4"	8¾"	7.00	9.50	18.00	13.50	15.50	2.00	6.00	1.00	1.00	6.00	2.50	1.00	20 lbs.
5"	12 "	13.00	18.00	38.50	24.00	28.00	4.00	9.00	1.50	1.50	8.00	3.00	1.00	40 lbs.
6"	12 "	13.00	18.00	38.50	24.00	28.00	4.00	9.00	1.50	1.50	8.00	3.00	1.00	40 lbs.

Add for clamping device, 2, 3 and 4-inch, $1.50; 5 and 6-inch, $2.00.

Brass supplementary strainers for K-42, K-43, K-42J, $2.50.

K-42S—Blake Heavy Duty Industrial Drain —With Square Top

This is the same drain as 42J shown above, except that it has a square top. Can be furnished with same specifications. Not listed here, as we show above at prices listed.



K-42S—Dimension Illustration

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F
2-inch	10	8	13½	2¼	¾	2½
3-inch	10	8	13½	2¼	¾	2½
4-inch	10	8	13½	2¼	¾	2½
5-inch	14½	13	18	3¼	¾	2½
6-inch	14½	13	18	3¼	¾	2½

LIST PRICES

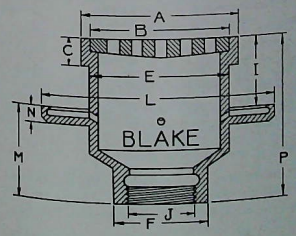
Size	Black All Iron	Galv.	C. I. Body Brass Top	Galv. Body Brass Top	All Brass	Add For White Metal Top	Add For Chrome Plating	Add For Clamping Ring	Add For Inside Strainer	Shipping Weight
2-inch	$ 7.35	$10.00	$13.50	$15.50	$18.90	$6.30	$2.00	$1.50	$1.00	25 lbs.
3-inch	7.35	10.00	13.50	15.50	18.90	6.30	2.00	1.50	1.00	25 lbs.
4-inch	7.35	10.00	13.50	15.50	18.90	6.30	2.00	1.50	1.00	25 lbs.
5-inch	15.25	18.00	24.00	28.00	38.50	9.00	4.00	2.00	1.50	45 lbs.
6-inch	15.25	18.00	24.00	28.00	38.50	9.00	4.00	2.00	1.50	45 lbs.

Outlet optional—either screwed or caulked, backwater valves, same price as for K-42J.

K-42C—Blake Heavy Duty Industrial Drain

With Long Strainer Neck and Safety Pan—Either Screw or Hub Outlets

This drain is most suitable for packing houses, dairies, etc., on floors above basement, having split brick topping.



K-42C—Dimension Illustration

Sizes and Dimensions of K-42C

Size	A	B	C	E	F	I	J	L	M	N	P
2-inch	4½	4⅛	¾	4⅝	3⅜	1½	2	9	3¾	¾	7
3-inch	7½	6⅛	¾	6⅝	4⅜	1¾	3	10	4¼	¾	8
4-inch	9½	8⅛	¾	8⅛	6	1¾	4	13½	4¼	¾	8
5-inch	13½	12¼	¾	12¾	8	1¾	5	18	5⅜	¾	8
6-inch	13½	12¼	¾	12¾	8	1¾	6	18	5⅜	¾	8

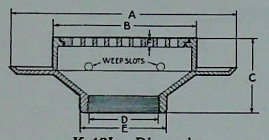
LIST PRICES

Size	Blk.	Galv.	Add With Pol. Brass or N. P. Brass Top	Add for Chrome Plating	Add if Supplementary Strainer Wanted	Wt.
2-inch	$ 8.00	$10.50	$4.00	$ .80	$ .50	20 lbs.
3-inch	12.00	15.50	7.00	1.20	.70	30 lbs.
4-inch	18.00	23.50	11.00	4.00	1.00	45 lbs.
5-inch	30.00	36.50	20.00	6.00	2.00	55 lbs.
6-inch	30.00	36.50	20.00	6.00	2.00	55 lbs.

K-42L

K-42L—Blake Heavy Duty Industrial Drain

Here is another one of our K-42 family, made like all the rest, but designed for use in larger areas, where more surface is to be drained. The top diameter being 13¼ with grate measuring 12½ inches, makes this number adaptable for use for packing houses, cooler rooms, basements, utility pits, and other places requiring larger drainage areas. Can also be furnished in special height top above pan for use in split brick floors, etc. Furnished with brass tops, flashing ring, and caulked outlet when so ordered.



K-42L—Dimension

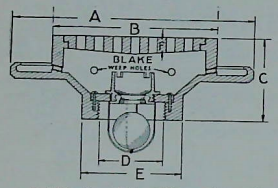
DIMENSIONS

Outlet	A	B	C	Dia. of Grate	E	F
2-in.	18	13½	7	12½	6	⅞
3-in.	18	13½	7	12½	6	⅞
4-in.	18	13½	7	12½	6	⅞
5-in.	18	13½	7	12½	8	⅞
6-in.	18	13½	7	12½	8	⅞

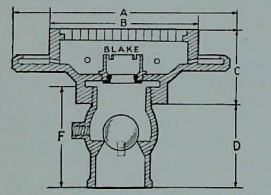
LIST PRICES

Size	Black Cast Iron	Galv. Cast Iron	All Brass	Brass Top Black Body	Brass Top Galv. Body	White Metal Top	Add For Chrome Plating	Add For Anti-Sweat Strainer	Add For Square Top	Add For Brass Square Top	Add For Anti-Sweat Strainer	Add For Flashing Ring	Shipping Weight
2-in.	$13.00	$18.00	$38.50	$24.00	$28.00	$37.00	$4.00	$2.00	$1.00	$5.50	$1.50	$2.00	43 lbs.
3-in.	13.00	18.00	38.50	24.00	28.00	37.00	4.00	2.00	1.00	5.50	1.50	2.00	43 lbs.
4-in.	13.00	18.00	38.50	24.00	28.00	37.00	4.00	2.00	1.00	5.50	1.50	2.00	43 lbs.
5-in.	13.00	18.00	38.50	24.00	28.00	37.00	4.00	2.00	1.00	5.50	1.50	2.00	43 lbs.
6-in.	13.00	18.00	38.50	24.00	28.00	37.00	4.00	2.00	1.00	5.50	1.50	2.00	43 lbs.

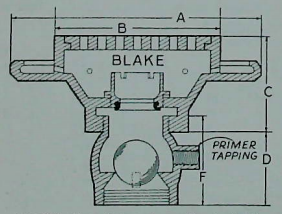
Outlet optional—either screwed or caulked. Back water valves, same price as K-42J.



K-1800—Complete valve only, not including drain.



K-1801—Complete valve only, including spigot casting but not the drain.



K-1802—Complete valve only, including bottom casting but not the drain.

K-1800, K-1801 and K-1802—Blake Back Water Valves Adaptable to any Blake Bottom Outlet Drain

This space is intended to illustrate back water valves only, and drain cut is shown only to illustrate application of these most practical back water valves.

LIST PRICES

Add to any drain in any pattern for

Size 2-inch valve	$4.00
Size 3-inch valve	5.00
Size 4-inch valve	6.00
Sizes 5 and 6-inch valves	8.00
For Primer Connections, if wanted, add	1.00

In these illustrations we show variations in back water attachments to take care of different requirements. Backwater floats can be furnished in either copper or glass, but we recommend glass, as there is no corrosion, no sweating, no seams to come apart, and the sweating surface is always smooth and clean, and absolutely round—they last a lifetime.

These valves can be furnished with any of our bottom outlet drains. In the illustrations we show them as applied with our K-42J drains.

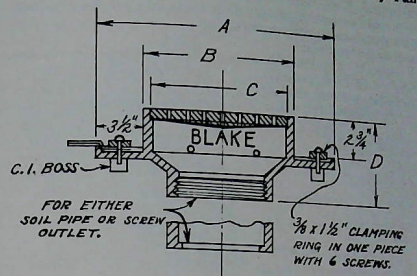
SIZES AND DIMENSIONS

Measurements of Bodies K-1800 K-1801 and K-1802				Additional Dimensions due to additional items added to the bodies						
				K-1800			K-1801		K-1802	
Outlet	A	B	C	D	E	F	D	F	D	F
2-in.	13½	8¾	4½	2	3⅜	¾	7½	6¾	5½	5¾
3-in.	13½	8¾	4½	3	4½	¾	7½	8½	5½	6¾
4-in.	13½	8¾	4½	4	5⅛	¾	7¼	9	5	7¼
5-in.	18	12	4½				8¼	9		
6-in.	18	12	4½				8¼	9		

These list prices include everything to make the complete valve, there being no additional charge for valve castings screwed into the drains, with the exception of the deep seal trap, which will take the additional list for the trap exclusive of the valve price.

Blake Extra Heavy Floor Drains for Packing and Dairy Plants

Special Heavy Grates and Wide Safety Pans with Heavy Clamping Devices and Bolts

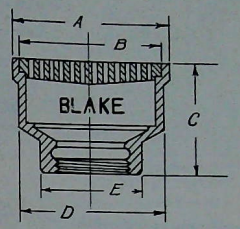


K-42PAS

Regular floor drain for use on all floors above basement having split brick topping. To have screwed pipe outlet unless otherwise specified.

Dimensions

Size	A	B	C	D
2, 3 and 4-inch	15½	9	8 5/16	6 5/16
5 and 6-inch	19	12¾	12	7½

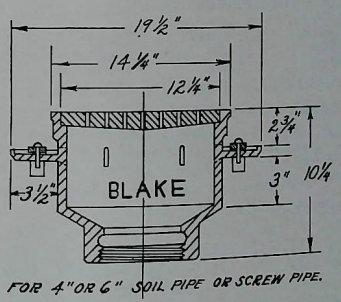


K-43PA

For basement or ground floor.

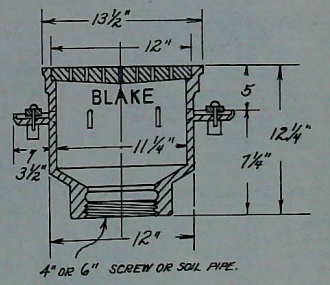
Dimensions

Sizes	A	B	C	D	E
2, 3, 4 and 5-inch	9¼	8⅜	6	8¾	6⅛
6-inch	15	13½	12	12	10¾



K-44PA

For use on split brick floors.



K-44PAS

For packing house floors where concrete is placed on wood flooring.

LIST PRICES

		Weight
K-42PAS sizes 2, 3 or 4-inch	$24.00	50 lbs.
K-42PAS sizes 5 or 6-inch	34.00	60 lbs.
K-43PA sizes 2, 3, 4 or 5-inch	11.00	30 lbs.
K-43PA size 6-inch	18.00	40 lbs.
K-44PA sizes 4 or 5-inch	32.00	110 lbs.
K-44PA size 6-inch	34.00	110 lbs.
K-44PAS sizes 4 or 5-inch	34.00	130 lbs.
K-44PAS size 6-inch	36.00	130 lbs.

If supplementary strainers are wanted for K-42PAS or K-43PA sizes 2, 3 or 4-inch add $1.00.

If supplementary strainers are wanted for K-42PAS or K-43 PA sizes 5 or 6-inch, add $2.00.

If baskets are wanted for K-44PA or K-44PAS, add $5.00.

Hy-Tech Products

K-42B—Blake Standard Industrial Drain with Seepage Safety Pan

Very Shallow In Depth—For Use with Metal Pan, Concrete Construction

K-42B

This drain is similar to our K-42 design, but is without the supplementary strainer. It is arranged to receive iron pipe size plug on inside to serve in testing or to close up against stoppage during construction.

Suitable for factories, warehouses, etc.

Width across top, 9 inches. Total width across safety pan, 13½ inches. Total depth, 4½ inches. Weight, 28 pounds.

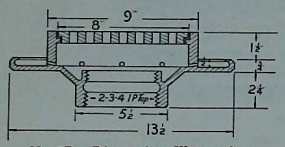
Can be furnished with brass top and strainer.

Made in one size only, but tapped for either 2, 3 or 4-inch.

LIST PRICES

Black	Galvanized	With Finished Brass Strainer and Rim Add to List	All Brass
$8.50	$12.50	$7.00	$25.00

For Malleable Grate, add $2.00.



K-42B—Dimension Illustration

Measurements of K-42B, given on dimension illustration, are subject to ¼-inch variation.

REPAIR PARTS FOR K-42B

	Diameter	Black	Galvanized	All Brass	Weight
Black Iron Grates.....	8-inch	$1.75	$2.50	$4.00	5 lbs.

Flashing rings, add to list price $1.50, weight 23 lbs.

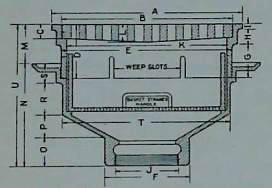
K-44—(Patented)

K-44—Blake Simplex Heavy Duty Industrial Drain with Safety Pan and Basket

Extra Heavy Top Strainer

Made in 4 and 6-inch sizes.

The safety seepage ports are accessible at all times and afford a great protection when drains are placed on upper floors. Basket catches all solids and can be lifted out. Recommended for packing houses, dairies, factories or any plant where strength is required.



K-44—Dimension Illustration

LIST PRICES

Size	Black	Galvanized	With Galvanized Strainer Only	Width of Top	Weight
4-inch	$20.00	$30.00	$22.00	14¼ inches	86 lbs.
6-inch	21.00	32.00	23.00	14¼ inches	92 lbs.

For Malleable Grate, add $3.50; for Brass top, add $22.00.

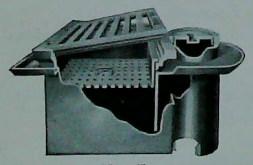
REPAIR PARTS FOR K-44

	Sizes	Diameter	Black	Galvanized	Weight
Black Top Grate.....	4 or 6-in.	12-inch	$4.20	$7.40	14 lbs.
Black C. I. Basket Grate..	4 or 6-in.	.....	5.00	7.00	18 lbs.

Measurements of K-44, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

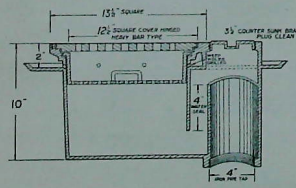
Waste	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S	T	U
4-inch....	14¼	12	1	3 1/8	12	6	2⅜	1 1/16	⅜	4	11¼	1¼	2¾	7¼	2	1⅝	2¼	1⅜	11⅞	10
6-inch....	14¼	12	1	3 1/8	12	7½	2⅜	1 1/16	⅜	6	11¼	1¼	2¾	7¼	2	1⅝	2¼	1⅜	11⅞	10


K-44F

K-44F—Blake Industrial Safety Waste Drain for Large Discharge of Water—With Integral Trap

Suitable for packing houses, dairies and all industrial plants where strength is necessary and solids are to be intercepted.

Strainer bucket lifts out. Top grate is hinged and extra heavy. Outlet of drain is at bottom, and large brass cleanout plug is provided at top. Outlet is tapped for 4-inch iron pipe. Weight, 110 pounds.



K-44F—Dimension Illustration

LIST PRICES

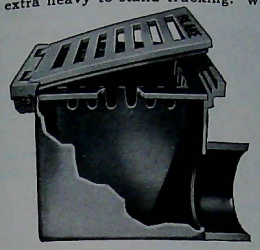
Size	Black	Galvanized	Add if Bar Strainer is Malleable Iron	Add to Black Price if Bar Strainer Only is Galvanized	Add for Pol. Brass Top
4-inch....	$35.00	$48.00	$2.50	$2.00	$22.00

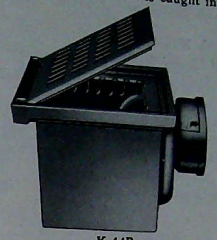
REPAIR PARTS FOR K-44F

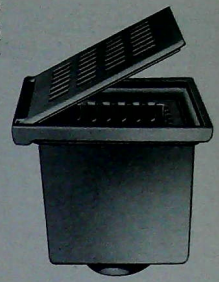
Black Cast Iron Grates	$3.00	12-inch	11 lbs.
Black Malleable Iron Grates	6.00	12-inch	11 lbs.
Black Strainer Basket	5.00	.....	12 lbs.
Brass Cleanout	1.00	.....	2 lbs.
Black Malleable Bucket	10.00	.....	12 lbs.

K-44 Series—Blake Extra Heavy Floor Drains with Mud or Refuse Bucket and Hinged Extra Heavy Strainer

Here is a series of all-purpose drains suitable for schools, warehouses, dairies, coal rooms, etc. Equipped with a removeable cast iron bucket. Can be furnished in 2, 3, 4, 5 and 6-inch size, either screw or hub outlet. Strainers are all hinged and extra heavy to stand trucking. With this drain installed all dirt is caught in bucket.


K-44A

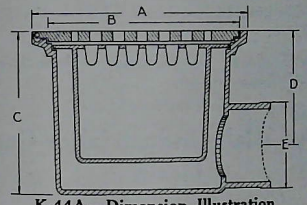

K-44B


K-44C

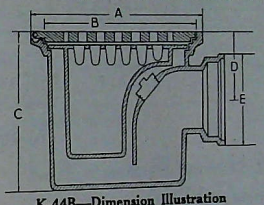
LIST PRICES FOR K-44A, K-44B AND K-44C SQUARE DRAINS

Plain Black	All Galvanized	With Grate Only Galvanized	With Grate and Bucket Galvanized	With Malleable Grate Add to List	With Malleable Bucket Add to List	With Brass Top Add	Weight
$24.00	$33.50	$25.50	$28.00	$2.50	$4.75	$22.00	85 lbs.

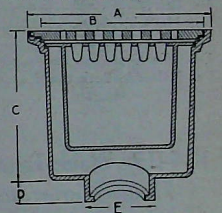
If any of these drains are wanted with safety pan, same as shown with K-44D, add to list $4.00.



K-44A—Dimension Illustration



K-44B—Dimension Illustration



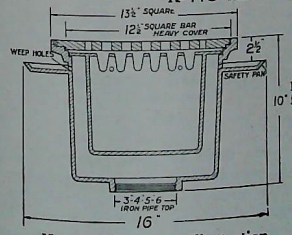
K-44C—Dimension Illustration
Inside Caulking Hub is shown, but can furnish for Iron Pipe

Any of the above designs are furnished at equal prices.

Measurements of K-44A, K-44B, K-44C and K-44D, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS
Measurements are with 4-inch Outlet

	A	B	C	D	E	Weight
K-44A	13¼x14	12	10	7	3	85 lbs.
K-44B	13¼x14	12	10	4	6	85 lbs.
K-44C	13¼x14	12	10	1½	6	85 lbs.



K-44D Dimension Illustration

K-44D

This design is exactly the same as K-44A, K-44B or K-44C, except that it is provided with a safety pan as a protection against leaks if installed on upper floors.

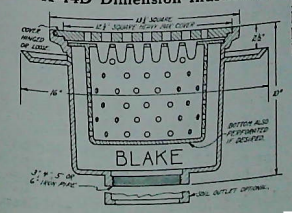
LIST PRICES

Plain Black	All Galvanized	With Grate Only Galvanized	With Grate and Bucket Galvanized
$28.00	$38.00	$29.50	$32.00

With Malleable Grate Add to List	With Malleable Bucket Add to List	Add for Brass Top	Weight
$2.50	$4.75	$22.00	90 lbs.

REPAIR PARTS FOR K-44A, K-44B, K-44C AND K-44D

Black Cast Iron Grate	$3.00	12-inch	11 lbs.
Black Malleable Iron Grate	6.00	12-inch	11 lbs.
Black Cast Iron Buckets	6.00	.....	23½ lbs.
Black Malleable Buckets	12.00		



K-44DH

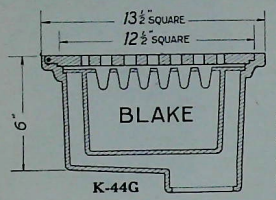
K-44DH

This is our K-44DH with Perforated Basket. If this is wanted, add to list, of K-44D $2.00.

Hy-Tech Products

Boiler Room Drain

K-44G—Hinged Cover, Square, Heavy Industrial Drain



K-44G

with Mud Bucket and Hinged Strainer —Shallow Pattern

Bottom outlets can be furnished in any size up to 6-inch in either screw or for soil pipe.

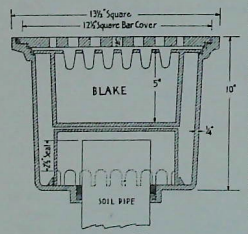
LIST PRICES

Black	Galvanized	All Brass	Weight
$19.00	$25.50	$54.50	60 lbs.

For Galv. Grate, add	$1.50
For Malleable Grate, add	4.00
For Brass Top, add	22.00
For Galv. Grate and Bucket, add	4.00
For Malleable Bucket, add	5.50

K-44H—Blake Extra Heavy Square Hinged Cover Industrial Drain

For Soil Pipe Connection—with bell trap & sediment bucket



K-44H

Same pattern as our K-44C and can be furnished with safety pan like our K-44D. The only difference in this drain is that it has an inside bell trap with a 2½" water seal and, therefore, requires no additional trap underneath. In connecting, the soil pipe is placed high enough to make a good water seal and then caulked tight. The bucket can be lifted out as well as the bell.

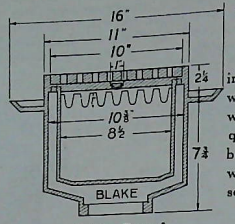
Made for 2 to 6-inch sizes of pipe.

LIST PRICES

Black	Galv.	Grate Only Galv.	Grate & Bucket Galv.	Mall. Grate to Add to List	Add for Mall. Bucket	Weight
$24.00	$33.50	$25.50	$28.00	$2.50	$2.75	85 lbs.

Add for Mall. Grate	$2.50
If Safety Pan wanted, add	6.00
Add for Clamping Ring	2.00
Add for Brass Top	22.00
Add for Chrome Plating	4.00

K-46—Extra Heavy Round Drain



K-46—Round

With Removable Sediment Bucket and Safety Pan

For boiler or coal rooms, industrial plants, garages, warehouses or any place where large drainage is required and sediment is to be intercepted. Furnished with tapped outlets or for soil pipe connection.

LIST PRICES

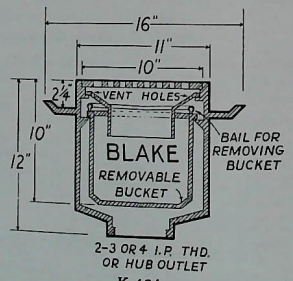
Size	Black	Galv.	All Brass	Add for Brass Top	Add for Chrome Plating	Weight
2"	$21.50	$30.50	$65.00	$11.00	$4.00	65 lbs.
3"	21.50	30.50	65.00	11.00	4.00	65 lbs.
4"	21.50	30.50	65.00	11.00	4.00	65 lbs.

Add for Flashing Rings—black $2.00—galv. $2.50 and All Brass $3.50.

If without Drainage Flange, deduct—black $4.00—galv. $6.50 and All Brass $12.00.

K-46A—Blake Industrial or Garage Drain

With Removable Bucket



K-46A

This is the same drain as K-46, except that it is a little deeper and modified to include a deflector for the bucket in order to direct flow with least agitation to hold semi-solids, instead of flowing out with water. Mud and other refuse of this kind easily escapes if agitation of the water is not slowed down.

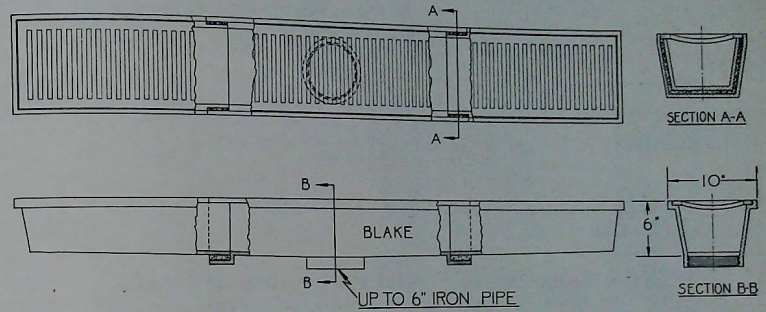
LIST PRICES

Size	Black	Galv.	All Brass	With Pol. Brass Top Jap.	With Pol. Brass Top Galv.	Weight
2"	$28.00	$39.00	$95.00	$39.00	$50.00	85 lbs.
3"	28.00	39.00	95.00	39.00	50.00	85 lbs.
4"	28.00	39.00	95.00	39.00	50.00	85 lbs.

Flashing Rings—black $2.00—galv. $2.50 and Brass $3.50.

K-45E—Blake Continuous Gutter and Sidewalk Drain

Here is a very practical trough drain suitable for large areas. For use in terraces, along driveways, basements, and where large amounts of water have to be drained quickly. Is made in 3-foot sections caulked together like soil pipe. No limit as to length that can be furnished. Strainer is furnished regularly concaved, as shown, but can be made in flat type if desired. Outlets can be furnished from 2-inch to 6-inch. Can also be made with additional outlets in any section.

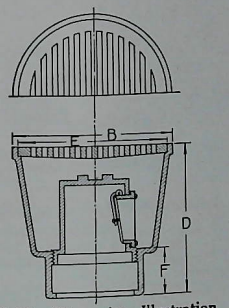


K-45E—Dimension Illustration

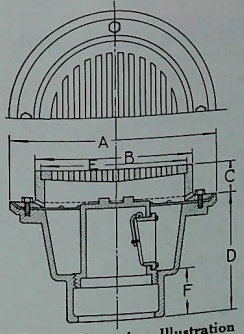
Each section measures 3 feet each. Can be made up in any length wanted at list prices herein shown, based on 3 lineal feet.

LIST PRICE—For section of 3 feet $30.00

Approximate weight, 110 pounds per section.



K-52—Dimension Illustration



K-53—Dimension Illustration

K-52 and K-53—Blake Industrial Back Water Drains

Here is an all-purpose reliable back water drain suitable for any location where back flow from sewer lines prevail. Made with extra heavy non-tilting traffic strainer to withstand heavy trucking. Back water valve is made of the finest red brass perfectly ground to seat. Seat is revolving disc, and being located in body of drain makes it very accessible. K-52 is without double drainage flange and K-53 is with it. Flashing rings can be furnished with K-53. Furnished regularly with hub outlet, but can be supplied with threaded outlet when requested.

LIST PRICES

Size	Black	Galv.	All Brass	Brass Top Galv. Body	Brass Top Black Body	Add For N. P. Brass Top	Add For Chrome Plate Brass Top	Weight Pounds
K-52—2 to 4"	$13.50	$20.80	$40.00	$27.00	$24.00	$2.00	$3.00	35
K-53—2 to 4"	16.00	22.00	42.00	27.00	24.00	2.00	3.00	40

Add $1.50 list to K-53 for flashing ring.

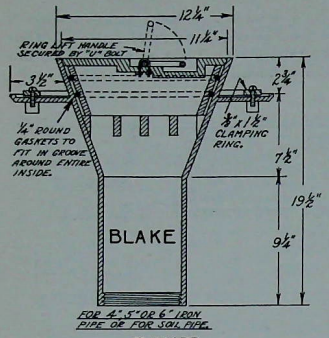
DIMENSIONS

	A	B	C	D	E	F
K-52—	12-in.	9-in.	1¾-in.	8¾-in.	8-in.	2¼-in.
K-53—	12-in.	9-in.	1¾-in.	7 -in.	8-in.	2¼-in.

BLAKE PRODUCTS COST NO MORE THAN THE CHEAPER . . COMPETITIVE PRODUCTS ON THE MARKET . .

Hy-Tech Products

K-44ABD — Blake Square Top Blood Drain for Packing House



K-44ABD

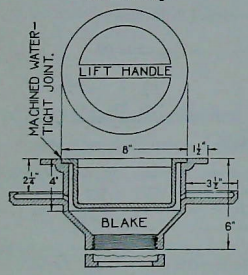
Made extra heavy with wide flange safety pan and heavy clamping device and bolts. Outlet arranged for either 4, 5 or 6-inch screwed or cast iron soil pipe.

		Wt.
Price complete	$48.00	140 lbs.
Same Drain less plug	38.00	115 lbs.
If without Plug but with a grate or Solid Cover	40.00	130 lbs.

Blake Extra Heavy Special Packing House Drains

Round Top—Outlets for Either Screw or Cast Iron Pipe

Blood Drain Round Top

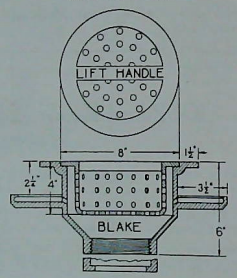


K-875

Cast Iron with a cast iron lift plug machined and fitted to drain with a water-tight joint. Outlet for either 4, 5 or 6-inch screwed or cast iron pipe.

		Wt.
Price	$23.00	48 lbs.
If Brass Lift Plug is desired, add $3.		

Same Body Drain with a Lift Strainer Basket

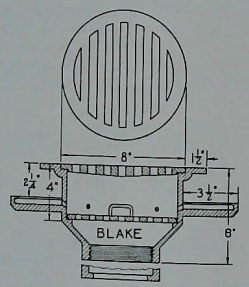


K-876

This is same drain as K-875 but with strainer basket instead of solid plug. Strainer basket prevents accumulations on floor, as with a flat strainer, and permits longer time for drainage before cleaning.

		Wt.
Price	$17.00	48 lbs.

Another Design With Same Body

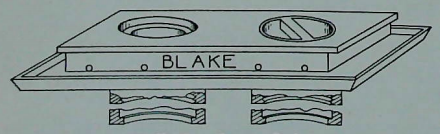


K-877

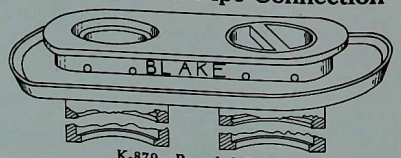
This type is provided with double strainer, the bottom one being with smaller holes. Can be used without top strainer.

		Wt.
Price	$15.00	40 lbs.

Blake Extra Heavy Twin Blood Drains For 4 or 6-inch Pipe Connection



K-878—Square Ends



K-879—Rounded Ends

This arrangement provides for a double connection—one for blood or grease drainage and the other for the surface and refuse drainage.

Lift plugs are cast iron and machined to a water-tight joint, and are interchangeable.

DIMENSIONS AND LIST PRICES

	Size	Length Top	Width Top	Wt.	List
K-878 or K-879	4-inch	20-inch	10 -inch	80 lbs.	$40.00
K-878 or K-879	6-inch	25-inch	12½-inch	160 lbs.	60.00

If bronze Lift Plug is wanted, add $3.00. Outlets either for screw or cast iron pipe.

Square Hydrant Cesspools and Drains

Government Specifications

With and Without Bell Trap

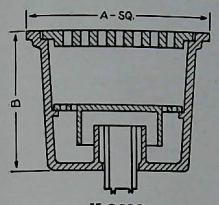
Standard Specifications

Square Body—Heavy cast iron.
Square Grate—Loose, slotted, cast iron.
Inside Strainer—Removable, cast iron.
Outlet—Hub outlet for soil pipe, inside caulk.
Finish—Black Japanned.
Square Body—Galvanized cast iron.

Modified Specificaticns

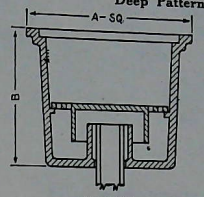
Square Top—Hinged grate.
Safety Pan—With or without flashing ring.
With or without seepage passages.
Outlet—I. P. female thread.
Finish—Rim and grate, polished brass, nickel plated, chromium plated or white metal.

Deep Pattern With Bell Trap



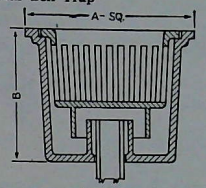
K-3600

Garage Drain with Top Grate, Square Perforated Inside Strainer and Bell Trap.



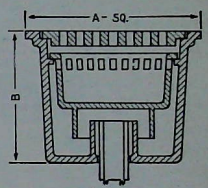
K-3602

Hydrant Cesspool with Square Perforated Inside Strainer and Bell Trap.



K-3604

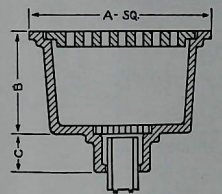
Slop Hopper with Basket Strainer and Bell Trap.



K-3606

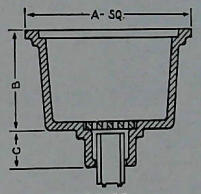
Garage Drain with Top Grate, Sediment Bucket and Bell Trap.

Shallow Pattern Without Bell Trap



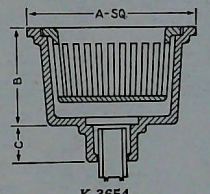
K-3650

Garage Drain with Top Grate and Round Perforated Inside Strainer.



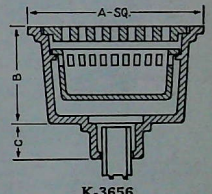
K-3652

Hydrant Cesspool with Round Perforated Inside Strainer.



K-3654

Slop Hopper with Basket Strainer.



K-3656

Garage Drain with Top Grate and Sediment Bucket.

Dimensions Deep Pattern With Bell Trap

Size Top	Size Outlet	A	B*
12"x12"	2"	12"	8½"
14"x14"	3"	14"	9 "
16"x16"	4"	16"	10 "

Dimensions Shallow Pattern Without Bell Trap

Size Top	Size Outlet	A	B*	C
12"x12"	2" 3" 4"	12"	6"	3¼"
16"x16"	4" 6" 8"	16"	6"	3¼"

*Add ½-inch to this dimension when modified specifications require brass rim and grate.

LIST PRICES

	Size 2-in. 12x12	Galv.	Weight	Size 3-in. 14x14	Galv.	Weight	Size 4-in. 16x16	Galv.	Weight
K-3600	$ 7.50	$15.00	40 lbs.	$ 8.00	$16.00	55 lbs.	$ 9.00	$18.00	65 lbs.
K-3602	5.50	10.00	30 lbs.	6.00	12.00	40 lbs.	7.00	14.00	50 lbs.
K-3604	6.60	13.20	40 lbs.	7.70	15.40	55 lbs.	8.80	17.60	65 lbs.
K-3606	9.50	19.00	50 lbs.	11.00	22.00	70 lbs.	13.00	26.00	80 lbs.
	Size 2, 3, 4-in. 12x12	Galv.	Weight	Size 3, 4, 6-in. 14x14	Galv.	Weight	Size 4, 6, 8-in. 16x16	Galv.	Weight
K-3650	$ 7.00	$14.00	40 lbs.	$ 7.50	$15.00	50 lbs.	$ 8.00	$16.00	65 lbs.
K-3652	3.00	9.00	30 lbs.	5.25	10.50	40 lbs.	6.00	12.00	50 lbs.
K-3654	6.60	12.00	40 lbs.	7.00	14.00	lbs.	8.80	15.50	65 lbs.
K-3656	9.00	18.00	50 lbs.	10.25	20.50	lbs.	12.00	24.00	80 lbs.

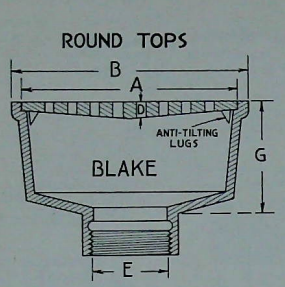
Add For The Following Modifications

Size Top	12x12	14x14	16x16
Add for Polished Brass Top	$10.00	$13.00	$22.00
Add for Nickel Plating	1.75	2.00	2.50
Add for Chrome Plating	2.25	2.50	3.00
Add for Hinged Grate	1.50	1.50	1.50

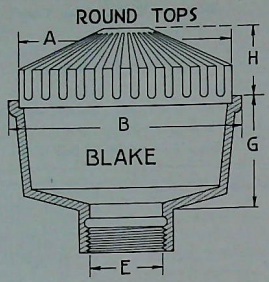
Hy-Tech Products

BLAKE ROUND TOP C. I. AREA OR FLOOR DRAINS

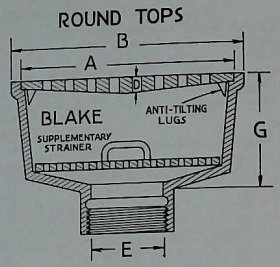
With and Without Bell Traps



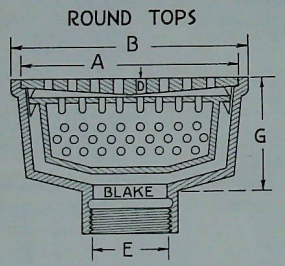
K-49



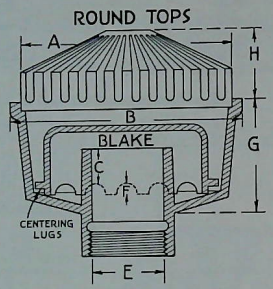
K-49A



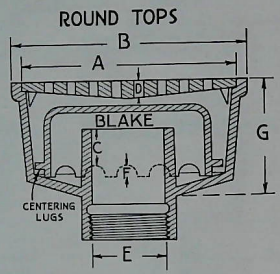
K-49B



K-49C



K-49D



K-49E

The above series of Drains has been created to provide drainage with various changes to suit conditions, yet all of them of one single design, so that roughing-in measurements remain the same.

They are all made Extra Heavy with Heavy Grates. The Water Seals in Bell Traps are fairly deep with good sized Bells and Openings for easy flow.

Recommended for elevator pits, areas, industrial plants of all kinds, dairies, warehouses, etc.

All of above Drains can be furnished with Hub Inlets, no extra charge.

All of above Drains can be furnished with Safety Pans, extra list $2.00.

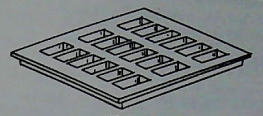
Sizes and Dimensions

Sizes	A	B	C	D	E	F	G	H
	6 " 9 "	6" 9"	6" 9 "	6" 9"	6" 9"	6" 9"	6" 9"	6" 9 "
K-49	5½" 8¼"	6" 9"	.....	7/16" 9/16"	2" 3"	.....	3" 4"	.....
K-49A	5½" 8¼"	6" 9"	.....	.....	2" 3"	.....	3" 4"	2" 2½"
K-49B	5½" 8¼"	6" 9"	.....	7/16" 9/16"	2" 3"	.....	3" 4"	.....
K-49C	5½" 8¼"	6" 9"	.....	7/16" 9/16"	2" 3"	.....	3" 4"	.....
K-49D	5½" 8¼"	6" 9"	1" 1½"	.....	2" 3"	3/8" 1/2"	3" 4"	2" 2½"
K-49E	5½" 8¼"	6" 9".	1" 1½"	7/16" 9/16"	2" 3"	3/8" 1/2"	3" 4"	.....

LIST PRICES

	6-in. size	With Brass Top	All Brass	Wt.	9-in. size	With Brass Top	All Brass	Wt.
K-49	$2.00	$5.00	$8.00	7½ lbs.	$3.75	$8.50	$13.50	12 lbs.
K-49A	2.00	5.00	9.00	10 lbs.	3.75	8.50	15.00	15 lbs.
K-49B	2.40	5.40	9.00	8½ lbs.	4.25	9.00	15.00	13½ lbs.
K-49C	2.75	5.75	10.00	10 lbs.	5.00	11.00	16.00	16 lbs.
K-49D	3.00	6.00	13.00	13 lbs.	4.50	9.25	17.50	20 lbs.
K-49E	2.75	5.75	10.50	11 lbs.	4.25	9.00	16.00	18½ lbs.

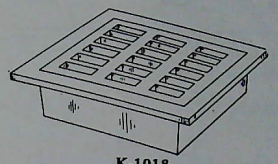
Blake Heavy Duty Square Cesspool Grates


K-1017

All are made with a projecting flange ⅜-inch thick and ½-inch wide.

Size Over All	Thickness	List Price	Weight
9½x 9½	⅞	$1.80	9 lbs.
13½x13½	1	3.00	18 lbs.
15 x15	1	5.00	25 lbs.

Blake Heavy Duty Square Grates and Frames

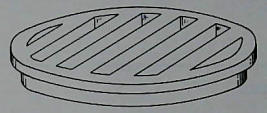

K-1018

Size Frame Over All	Size Frame Under Flange	Thickness Frame Flange	Clear Opening Frame	Depth Frame Over All	Price Frame and Cover	Weight Frame and Cover
12x12	9¼	⅜	7½	2¼	$4.00	24 lbs.
16x16	13¼	½	11½	2¼	5.60	40 lbs.

12x12-inch size takes K-1017—9½x9½-inch grate; 16x16-inch size takes K-1017—13½x13½-inch grate.

Frames are recessed to take flange of grates.

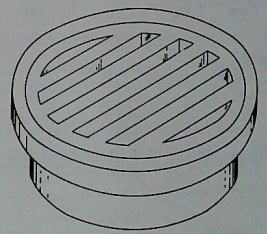
Blake Heavy Duty Round Bar Grates


K-1017A

Made with a projecting flange ⅜-inch thick and ½-inch wide.

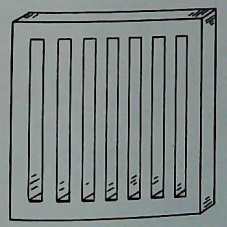
Size Over All	Thickness	List Price	Weight
6-inch	¾	$ .80	4 lbs.
8-inch	⅞	1.30	6½ lbs.
10-inch	⅞	1.80	9 lbs.
12-inch	1	2.25	15 lbs.
15-inch	1	2.90	20 lbs.

Blake Heavy Duty Round Strainers and Frames


K-1018A

Size Frame Over All	Dia. Gate	Size Frame Under Flange	Thickness Frame Flange	Clear Opening Frame	Depth Frame Over all	Price Frame and Cover	Weight Frame and Cover
8-inch	6	5¾	⅜	5	2¼	$1.60	8 lbs.
10-inch	8	7¾	⅜	7	2¼	2.00	12 lbs.
12½-inch	10	10	½	9	2¼	3.00	18 lbs.
14½-inch	12	12	½	11	2½	3.80	25 lbs.
17½-inch	15	15	½	14	2½	4.50	32 lbs.

Blake Square Bar Grates—Medium Weight


K-1019

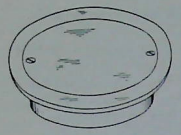
Size Inches	Thickness	Price	Weight
4x4	¼	$ .20	12 ozs.
6x6	¼	.25	1½ lbs.
8x8	⅜	.60	3¼ lbs.
10x10	½	1.40	7 lbs.
12x12	9/16	2.50	13 lbs.

COMPARE BLAKE QUALITY AND NOTE HEAVY CONSTRUCTION THROUGHOUT

Hy-Tech Products

Blake Cast Iron or Brass Cleanout Frames and Covers

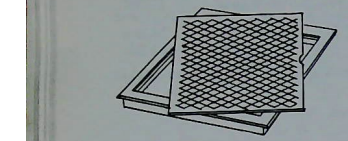
Cast brass—1¼-inch total height, suitable for finished floors to cover cleanouts or valves.



K-888—Round Pattern

LIST PRICES

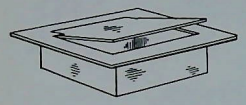
Size	Total Dia.	Pol. Brass	Nickel Plated	Chrome Plated
2-inch	4½	$3.00	$4.00	$5.00
3-inch	5½	3.50	4.50	5.50
4-inch	6¾	4.00	5.00	6.00
5-inch	8	5.00	6.00	7.00
6-inch	9½	6.00	7.00	8.00
8-inch	11½	7.50	8.50	9.50



SIZE OF TOP OUTSIDE:
12"x12"
15"x15"
K-889

LIST PRICES

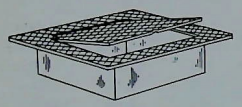
Total Dia.	Size Opening	Total Height	Weight	Cast Iron	Galv.	All Brass Pol.	Nickel Plated	Chrome Plated
12x12	9x 9	1¾	22	$4.00	$7.50	$15.00	$16.00	$17.00
15x15	11x11	2¾	32	6.00	11.25	25.00	26.50	28.00



K-890—Hinged Cover

LIST PRICES

Extreme Top	Inside Opening	Total Depth	Weight	Cast Iron	Galv.	All Brass Pol.	Nickel Plated	Chrome Plated
9x 9	6½x6½	2¼	10 lbs.	$2.40	$4.50	$12.00	$12.75	$13.50
12x12	9x9	2¾	22 lbs.	4.20	7.50	16.00	17.00	18.00

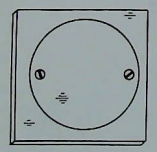


K-891—Hinged Cover

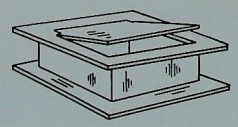
LIST PRICES

Dia. Top	Opening Inside	Total Height	Weight	Cast Iron	Galv.	All Brass Pol.	Nickel Plated	Chrome Plated
9x9	6½x6½	1¼	8 lbs.	$2.00	$3.80	$10.00	$10.75	$11.50
12x12	9½x9½	1¼	13 lbs.	3.20	6.00	14.00	15.00	16.00

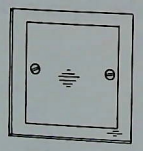
Blake Square Pattern Frames and Cover



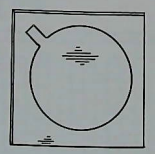
K-892
Bolted Cover



K-893
Hinged



K-894
Bolted Cover



K-895
Hinged

K-892, K-893, K-894 and K-895 dimensions and list prices and all frames are alike, as shown in K-893.

Frames Cast Iron—Tops Polished Brass.

LIST PRICES

Top Dia.	Opening Dia.	Total Height	Weight	Pol. Brass Top	N. P. Top	Chrome Top
9x 9	6½x6½	1½	12 lbs.	$ 8.00	$ 8.75	$ 9.50
12x12	9½x9½	1½	20 lbs.	12.00	13.00	14.00

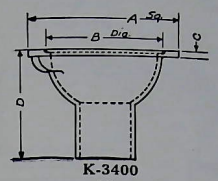
Area Cesspools Without Bell Trap

Government Specifications: WW-P-541, E-10p (3) Figs. 76 and 77.

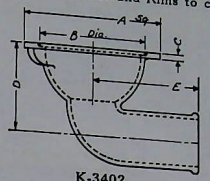
Hinged Strainer.

Furnished for inside caulking as shown, or for Screw Pipe, Spigot End, or side Outlet.

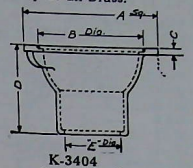
We can furnish Brass Strainers and Rims to cover top or all Brass.



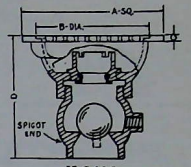
K-3400



K-3402



K-3404
Inside Caulk



K-3406

Dimension—K-3400 Bottom Outlet

Size Outlet	Size Top	A	B	C	D
2"	6"x 6"	6"	4⅞"	3/8"	4¼"
3"	9"x 9"	9"	7⅜"	3/8"	6⅝"
4"	12"x12"	12"	10¾"	3/8"	8⅝"

Dimensions—K-3402 Side Outlet

Size Outlet	Size Top	A	B	C	D	E
2"	6"x 6"	6"	4⅞"	3/8"	3¼"	5¾"
3"	9"x 9"	9"	7⅜"	3/8"	5⅝"	10 "
4"	12"x12"	12"	10⅛"	3/8"	8¾"	11 "

Dimensions—K-3404 Bottom Outlet

Size Outlet	Size Top	A	B	C	D	E
2"	6"x 6"	6"	4⅞"	3/8"	4¼"	2¾"
3"	9"x 9"	9"	7⅜"	3/8"	5½"	3¾"
4"	12"x12"	12"	10¾"	3/8"	8¼"	4¾"

Dimensions—K-3406 Bottom Outlet, with Back Water Valve

Size Outlet	Size Top	A	B	C	D
3"	9"x 9"	9"	7⅜"	3/8"	7¾"
4"	12"x12"	12"	10¾"	3/8"	9¾"

If Primer Connection Top is wanted, add list.....$1.00

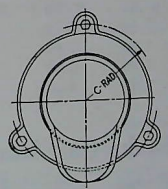
LIST PRICES

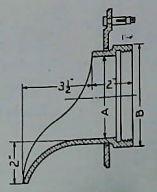
	2"	3"	4"
Size of Cesspool Outlet	6"x6"	9"x9"	12"x12"
Bottom Outlet, each	$1.20	$2.50	$5.00
Shipping weight	5 lbs.	15 lbs.	30 lbs.
Side Outlet, each	1.70	3.50	6.50
Shipping weight	7 lbs.	20 lbs.	40 lbs.
Inside Caulk, each	1.20	2.50	5.00
Shipping weight	5 lbs.	15 lbs.	30 lbs.
With B. W. Valve for Bottom Outlet Drains, each	.....	8.00	10.50
Shipping weight	.....	17 lbs.	35 lbs.
Extras for Modified Specifications.			
Size of Cesspool Outlet	2"	3"	4"
Add for Brass Top and Strainer, Polished, each	2.50	5.00	10.00
Add for Nickel Plating	1.00	1.50	2.00
Add for Chromium Plated, each	1.50	3.00	4.00
Add for Iron Pipe Tapping, each	.60	.80	1.00
Cast Brass Area Cesspools, Bottom Outlet	6.00	12.00	22.00
Add for White Metal Tops	3.50	6.50	12.50
Add for Galvanized Area Cesspools, Bottom Outlet	1.00	2.00	3.50

K-2500—Brass Downspout Nozzle with Wall Flange & Expansion Bolts

Government Specifications: WW-P-541, E-10q, Fig. 78.

Standard Specifications, Paragraph 73.





K-2500

Standard Specifications

Down-spout Nozzle—Cast brass.
Wall Flange—Loose, cast brass.
Expansion Bolts—Three, ¼-inch brass.
Finish—Rough brass.

Dimensions

Size I. P. Connection	A	B	C	Size I. P. Connection	A	B	C
2"	2"	2¾"	2¾"	5"	5"	6¼"	4¼"
3"	3"	4 "	3¼"	6"	6"	7¼"	4¾"
4"	4"	5 "	3¾"				

Modified Specifications

Down-spout Nozzle—Cast White Metal.
Wall Flange—Cast White Metal.
Expansion Bolts—White Metal.

LIST PRICES

Size	List Price	Shipping Weight
2-inch—price each	$5.70	4 lbs.
3-inch—price each	6.48	5 lbs.
4-inch—price each	8.04	6 lbs.
5-inch—price each	12.60	9 lbs.
6-inch—price each	15.42	11 lbs.
8-inch—price each	26.00	16 lbs.

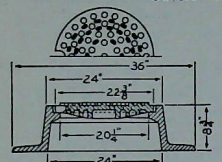
Modified Specifications, White Metal—Price on application.

Government Specifications

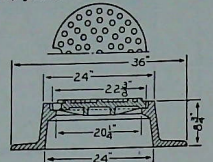
Manhole Frame and Cover

Standard Specifications, Paragraphs 39, 40, 59
Detail No. 11 Perforated. Detail No. 12 Solid.

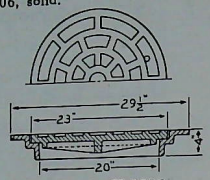
Frames and Cover—Cast iron.
Covers—K-5002, perforated, K-5004, solid. K-5006, solid.



No. 1—K-5002—Detail 11

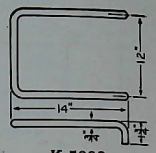


No. 2—K-5004—Detail 12



No. 3—K-5006

Manhole Ladder Rungs ¾-inch Wrought-iron



K-5008

LIST PRICES

NO FREIGHT ALLOWANCE ON THESE.	List Prices	Shipping Weight
K-5002—With Perforated Cover	$32.00	336 lbs.
K-5004—With Solid Cover	32.00	338 lbs.
K-5006—With Solid Cover	20.00	210 lbs.
K-5008—Manhole Ladder Rungs, each ....Black $1.00 Galv.	1.50	5 lbs.

Government Specifications

K-5000—Manhole Frame and Cover

For Cleanout Opening
Standard Specification, Paragraphs 48, 58.
Miscellaneous Drawing 305-1, Detail No. 13

K-5000

Standard Specifications

Frame—Heavy Cast Iron.
Cover—Checkered surface, cast iron.

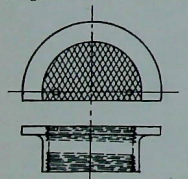
Dimensions

Inside Opening Lower Frame	Outside Size Lower Frame	Outside Size Top Frame	Total Height
18"x30"	27"x39"	21"x33"	4"
22"x40"	31"x49"	25"x43"	4"

LIST PRICES

NO FREIGHT ALLOWANCE ON THESE.	List prices	Shipping Weight
18x30" Opening inside lower frame, each	$33.00	230 lbs.
22x40" Opening inside lower frame, each	48.00	330 lbs.

Larger sizes—Price on Application.


K-1184

K-1184—Blake Deck Plugs

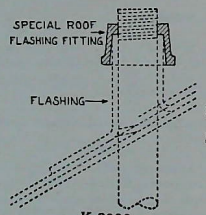
Threaded Heavy Cast Brass Scoriated Screw Plugs with Holes for Spanner Wrench.

	Mach. Fin.	Polished	N. P.	Chrome P.
1¼-inch	$1.75	$2.50	$3.25	$3.55
1½-inch	2.00	2.75	3.00	3.20
2-inch	3.00	3.90	4.10	4.40
3-inch	4.00	5.00	5.30	5.60
4-inch	5.50	6.80	7.10	7.50
5-inch	9.00	10.50	11.10	11.70
6-inch	14.00	15.50	16.20	16.90
8-inch	25.00	30.00	31.20	32.50

Government Specifications

K-2900—Special Cap Fitting

For Vent Pipe



K-2900

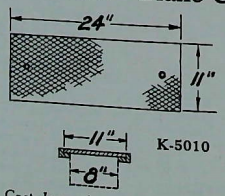
Standard Specifications

Body—Cast iron, painted black.
Sizes—1½-inch, 2-inch, 3-inch, 4-inch, 5-inch and 6-inch I. P. thread.

LIST PRICES—FITTING ONLY

Size of Pipe	Cast Iron	Galv.	Brass	Shipping Weight
1½"-2" price ea.	$ .50	$ .70	$1.50	3 lbs.
3" price ea.	.80	1.20	2.40	4 lbs.
4" price ea.	1.20	1.60	3.60	5 lbs.
5" price ea.	1.70	2.30	5.10	6 lbs.
6" price ea.	2.60	4.40	7.80	10 lbs.

K-5010—Blake Cast Iron Trench Plates



K-5010

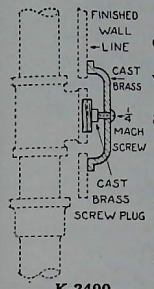
Cast Iron (⊥) frame drilled for anchor bolts, for covering 8-inch wide pipe trench.

Made in 24-inch lengths.

	List Price
Cast Iron plate, per foot	$2.00
Cast Iron frame, per foot	.80
Anchor bolts, each	.20

K-2400—Cleanout Plugs—Plates and Screws

Government Specifications: Paragraph E-10-N, WW-P-541.
Standard Specifications, Paragraph 50.



K-2400

Standard Specifications

Clean-out Plug—Heavy, rough cast brass, screw jointed.

Wall Plate and Screw—Cast brass, nickel-plated.

Sizes—1½-inch, 2-inch, 3-inch and 4-inch I. P. thread.

Modified Specifications

Wall Plate and Screw—Cast brass, chromium plated or cast white metal, polished or chromium plated.

Note: Clean-out plug may be ordered separate or complete with wall plate and screw.

LIST PRICES

Size	Brass Nickel-Plated Price ea.	Brass Chrom. Plated Price ea.	White Metal Polished Price ea.	White Metal Chr. Plt'd. Price ea.	Shipping Weight
1½"	$2.64	$2.90	$3.00	$3.30	1 lb.
2 "	2.88	3.10	3.30	3.55	1 lb.
3 "	3.96	4.30	4.50	4.90	3 lb.
4 "	6.12	6.50	6.84	7.20	4 lb.
5 "	8.34	9.00	9.24	9.90	6 lb.
6 "	9.42	10.20	10.50	11.25	8 lb.
Plate and Screw Only					
1½"	2.40	2.60	2.70	3.00	¾ lb.
2 "	2.64	2.95	3.06	3.35	¾ lb.
3 "	3.24	3.70	3.84	4.30	2 lb.
4 "	5.04	5.50	5.70	6.40	3 lb.
5 "	7.02	7.70	7.92	8.60	3½ lb.
6 "	7.92	8.70	9.06	9.85	5 lb.

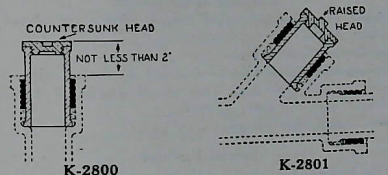
Cleanout Plug Only—Rough Brass

Size	1¼-in.	2-in.	3-in.	3½-in.	4-in.	5-in.	6-in.
Price each	$ .50	$ .60	$1.00	$1.30	$1.80	$3.00	$5.00

With countersunk head, add 20%.

K-2800 & K-2801—Blake All Brass Cleanout Plug and Ferrule

Government Specifications: Long Pattern, Paragraph 48-A, 54. Detail No. 10.
Standard Specifications, Countersunk Head.



K-2800 K-2801

Standard Specifications

Ferrule—Heavy cast brass, 5-inches long. The extra long bodies project 2 inches above soil pipe.

Clean-out Plug—Flanged cover, countersunk head, screw jointed, cast brass.

Cover Finish—Rough brass.

Sizes—For 2-inch, 3-inch, 4-inch, 5-inch, 6-inch and 8-inch soil pipe.

LIST PRICES FOR K-2800 and K-2801

Size	Rough Cover	Polished Cover	Nickel Plated	Shipping Weight
2" price each	$1.50	$1.68	$2.00	2 lbs.
3" price each	2.22	2.52	3.00	3 lbs.
4" price each	3.00	3.42	4.00	4 lbs.
5" price each	5.52	6.12	6.80	7 lbs.
6" price each	7.20	7.92	8.50	8 lbs.
8" price each	16.50	17.60	18.50	21 lbs.
10" price each	28.00	31.00	33.00	27 lbs.
12" price each	36.00	40.00	43.00	35 lbs.

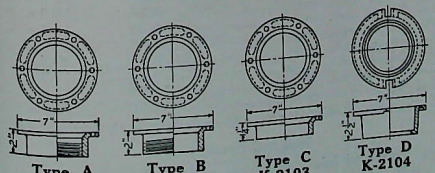
Rough Cover furnished unless otherwise specified.
Modified Specifications, Raised Head—Price as above.
Nickel-plated Cover—Price on application.
Chromium plated Cover—Price on application.
White Metal Cover—Price on application.
Larger sizes—Price on application.

Modified Specifications

Clean-out Plug—Raised head.
Cover Finish—Polished brass, nickel plated, chromium plated or white metal.

Water Closet Floor Flanges

Government Specifications: WW-P-541, E-10r, Fig. 79-82.
Standard Specifications, Paragraph 131.



Standard Specifications

Type A, cast brass, 4-inch I. P. female connection.
Type B, cast brass, 4-inch I. P. male connection.
Type C, cast brass, 4-inch lead pipe connection.
Type D, cast iron, 4-inch soil pipe connection inside caulk.

Modified Specifications

Can be furnished with bolts, washers and asbestos gaskets.

Type D can also be furnished 3-inch outlet....$ .50

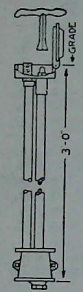
LIST PRICES

	List Price	Shipping Weight
Type A, Cast Brass, each	$3.00	5 lbs.
Type B, Cast Brass, each	2.70	5 lbs.
Type C, Cast Brass, each	2.30	3 lbs.
Type D, Cast Iron, each	.60	4 lbs.
Type D, Cast Brass, each	3.00	5 lbs.
Extras for Modified Specifications		
Add for Asbestos gasket, each	.50	
Add for N. P. bolts & washers, pr.	.30	

Hy-Tech Products

Street Washers

Government Type
Specifications: WW-P-541, E-10k, Fig. 68.
Standard Specifications, Paragraph 103.



K-2000B

Standard Specifications—¾" Hose and Inlet Connection

Drain—Automatic, non-freezing.
Hose Connection—¾-inch, brass.
Inlet Connection—¾-inch I. P. thread, brass.
Detachable T Handle Key—Cast iron.
Connecting Pipes—Galvanized iron.
Valve and Operating Rod—Brass.
Box with Hinged cover marked "Water" at Grade—Cast iron.
Valve Protector Box—Cast iron.
Length—36 inches below grade.

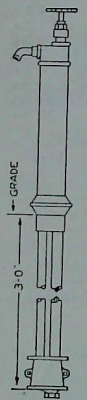
Modified Specifications

Hose Connection—1-inch.
Inlet Connection—1-inch, I. P. thread.
Connecting Pipes—Brass.
Box with Hinged Cover marked "Water" at Grade—Brass or white metal.
Length—Longer or shorter than standard in multiples of 6 inches.

LIST PRICES

	Price	Weight
Length below ground....36 inches.....	$ 9.60	17 lbs.
Length below ground....48 inches.....	10.10	20 lbs.
Length below ground....60 inches.....	10.50	23 lbs.

Yard Hydrants



K-2100B

¾" Hose and Inlet Connection Standard Specifications

Drain—Automatic, non-freezing.
Hose Connection—¾-inch, brass.
Inlet Connection—¾-inch, I. P. thread, brass.
Handle—Wheel type, cast iron.
Connecting Pipes—Galvanized iron.
Valve and Operating Rod—Brass.
Casing above Grade—Cast iron.
Valve Protector Box—Cast iron.
Length—36 inches below grade.

Modified Specifications

Hose Connection—1-inch.
Inlet Connection—1-inch I. P. thread.
Connecting Pipes—Brass.
Length—Longer or shorter than standard in multiples of 6 inches.

LIST PRICES

	Price	Weight
Length below ground....36 inches.....	$11.50	30 lbs.
Length below ground....48 inches.....	12.00	33 lbs.
Length below ground....60 inches.....	12.50	36 lbs.

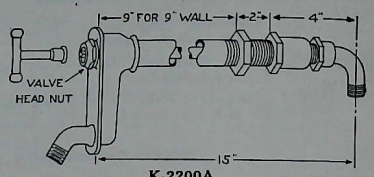
ONE-INCH SIZE WALL HYDRANTS
Polished Brass Face and Loose Key

Thickness of wall	9-in.	13-in.	18-in.	20-in.	24-in.
Galv. Outer Casing	$11.00	$11.80	$12.80	$13.20	$14.00
Brass Outer Casing	12.00	13.20	14.70	15.30	16.50

Add or deduct for galv. outer casing, per inch, 25c; for brass outer casing, per inch, 30c.

Wall Hydrants

Government Type
Specifications: WW-P-541, E-101, Fig. 69.
Standard Specifications, Paragraph 102.



K-2200A

Hydrant Head—Cast brass, polished face.
Hose Connection—¾-inch, cast brass.
Coupling and Union Elbow—¾-inch I. P. thread inlet, heavy cast brass.
Length—Outer casing pipe 2 inches longer than thickness of wall. Overall dimension, 6 inches longer than thickness of wall (illustration shows dimensions for 9-inch wall)
Shut-Off Valve Inside Building—Cast brass.
Operating Rod—Brass.
Detachable T Handle Key—Cast iron.

Modified Specifications

Hydrant Head—Face nickel plated, chromium plated or white metal.
Hose Connection—1-inch.
Coupling and Union Elbow—1-inch I. P. thread inlet.
Length—1-inch hydrants over all dimension is 8 inches longer than thickness of wall.
Outer Casing Pipe—Brass.

Special Features

1. The hydrant head and hose connection are cast integral.
2. Hydrant may be rewashered from outside of wall by removing valve head nut, and without disturbing connections inside of building.

IMPORTANT NOTICE

Illustration shows hydrant dimensions for 9-inch wall. Always specify the thickness of wall in which the hydrant is to be used.

LIST PRICES

	Price	Weight
For 9-in. wall, each.....	$ 6.25	10 lbs.
For 11-in. wall, each.....	6.66	10 lbs.
For 13-in. wall, each.....	7.05	10 lbs.
For 15-in. wall, each.....	7.45	10 lbs.
For 16-in. wall, each.....	7.66	10 lbs.
For 18-in. wall, each.....	8.05	10 lbs.
For 20-in. wall, each.....	8.46	10 lbs.
For 22-in. wall, each.....	8.85	15 lbs.
For 24-in. wall, each.....	9.26	15 lbs.
For 26-in. wall, each.....	9.66	15 lbs.
For 28-in. wall, each.....	10.05	15 lbs.
For 30-in. wall, each.....	10.45	15 lbs.
For 32-in. wall, each.....	10.84	15 lbs.
For 34-in. wall, each.....	11.25	15 lbs.
For 36-in. wall, each.....	11.66	15 lbs.

Any intermediate length add or deduct, each 1-inch....20c.

Modified Specifications

¾" Hose and Inlet connection, polished brass face, with outer brass casing pipe for 9-in. wall, each.....$7.70
Additional for each 1-inch length of wall thickness.... .25
Add for Nickel Plated face, each..... .50
Add for Chromium face, each 1.00
Add for White Metal face, each..... 1.50
1-inch Hydrants—Price on application.

VALUABLE INFORMATION IN CONNECTION WITH OUR ROOF DRAINS

ONE METHOD OF FIGURES FOR TABLE ROOF DRAINAGE AREAS IN TERMS OF LEADER HEADS

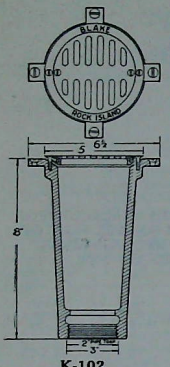
ROOF COVERING	Grade Roof Deck	Sq. Ft. of Roof Area Drained by 1 Sq. In. of Leader Head	Roof Areas Drained by Given Size Pipe
Tile, Brick, Slate, Metal or similar roof surfacing.	Practically Level	150 Sq. Ft.	3 in. Pipe 1000 Sq. Ft. 4 in. " 1900 " " 5 in. " 3000 " " 6 in. " 4500 " " 8 in. " 8000 " "
Tile, Brick, Slate, Metal or similar roof surfacing.	Steep Slope	125 Sq. Ft.	3 in. Pipe 900 Sq. Ft. 4 in. " 1600 " " 5 in. " 2500 " " 6 in. " 3600 " " 8 in. " 6400 " "
Smooth Surface, Membrane Roofing.	Saw Tooth Roofs (No flat valleys)	150 Sq. Ft.	3 in. Pipe 1000 Sq. Ft. 4 in. " 1900 " " 5 in. " 3000 " " 6 in. " 4500 " " 8 in. " 8000 " "
Smooth Surface, Membrane Roofing entirely.	Saw Tooth Roofs, Valleys 3 ft. or more in width	175 Sq. Ft.	3-in. Pipe 1200 Sq. Ft. 4 in. " 2200 " " 5 in. " 3500 " " 6 in. " 5000 " " 8 in. " 9000 " "
Smooth Surface, Membrane Roofing on Steep Roofs. Valley Covered with Rock or Slag.	Saw Tooth Roofs, Valleys 3 ft. or more in width	200 Sq. Ft.	3 in. Pipe 1400 Sq. Ft. 4 in. " 2500 " " 5 in. " 3800 " " 6 in. " 5700 " " 8 in. " 10000 " "
Smooth Surface, Membrane Roof Covering.	So-Called Flat Roofs having incline ¼-in. to 2-in. per ft.	225 Sq. Ft.	3 in. Pipe 1600 Sq. Ft. 4 in. " 2800 " " 5 in. " 4400 " " 6 in. " 6400 " " 8 in. " 11300 " "
Gravel or Slag Roof Covering.	So-Called Flat Roofs having incline ¼-in. to 2-in. per ft.	275 Sq. Ft.	3 in. Pipe 2000 Sq. Ft. 4 in. " 3500 " " 5 in. " 5400 " " 6 in. " 7800 " " 8 in. " 13900 " "
Gravel or Slag Roof Covering.	Dead Level Roofs	350 Sq. Ft.	3 in. Pipe 3500 Sq. Ft. 4 in. " 4400 " " 5 in. " 6900 " " 6 in. " 9900 " " 8 in. " 17600 " "

THE BARNES FORMULA FOR MAXIMUM SQUARE FEET OF AREA THROUGH GIVEN SIZES OF PIPE

Diameter of Pipe Inches	Grade Fall Per Ft. Inches	Roof Area Sq. Ft.
1+½	⅛	143
1+½	¼	207
1+½	⅜	258
1+½	½	300
2	⅛	318
2	¼	459
2	⅜	569
2	½	662
2+½	⅛	590
2+½	¼	852
2+½	⅜	1,058
2+½	½	1,231
3	⅛	979
3	¼	1,413
3	⅜	1,751
3	½	2,038
4	⅛	2,172
4	¼	3,133
4	⅜	3,883
4	½	4,521
5	⅛	4,029
5	¼	5,814
5	⅜	7,205
5	½	8,388
6	⅛	6,670
6	¼	9,624
6	⅜	11,926
6	½	13,888
7	⅛	10,224
7	¼	14,752
7	⅜	18,280
7	½	21,283
8	⅛	14,797
8	¼	21,351
8	⅜	26,458
8	½	30,803

Hy-Tech Products

K-102 and K-102B—Blake Simplex Long Spigot Drain for Vertical Connection



K-102
Dimension Illustration

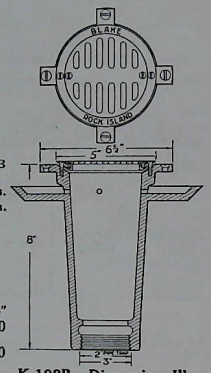
This drain is practically for the same purposes as our K-101, except that it is straight and long instead of angle.

It is made for either 2 or 3-inch iron pipe connection and fitted with either flat, beehive or dome nickel-plated strainers, and clamping ring for holding flashing material.

The body is heavy cast iron.

Measurements of K-102, given in dimension illustration, are subject to ¼-inch variation.

K-102B is the same drain with a safety pan.



K-102B—Dimension Ill.

LIST PRICES

Size	K-102 Blk. Body	K-102B Blk. Body	Galv. Either one, add	K-102 All Brass	K-102B All Brass	K-102 Wt.	K-102B Wt.
2-inch	$8.50	$10.00	$1.00	$14.00	$16.00	10½ lbs.	13 lbs.
3-inch	9.50	11.00	1.00	15.50	17.00	11 lbs.	14 lbs.

For White Metal Strainers and Rims, add $1.75 to above list prices.

For Chromium Plated Strainers and Rims, add 70c to above list prices.

REPAIR PARTS FOR K-102 AND K-102B

	Sizes of Drain, 2" or 3"
Strainer, either Flat or Beehive, N. P.	$3.00
Collar Clamping Ring, N. P.	2.00
Strainer Screws, each	$ .06

K-103—Blake Simplex Long Spigot Roof Drain of Large Area

Consists of Three Pieces Only

K-103

A cast iron ring sleeve is set in body of drain and the roof felts are then caulked in with ring. At the top of the ring three ears are provided for the purpose of fastening the dome strainer with brass screws, so it cannot be tilted out of place.

Made in one size for three, four or five-inch screw pipe.

Hub or spigot connectors can be furnished to convert it to soil pipe connection. (See prices of connections on page 52.)

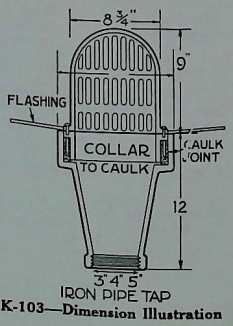
Measurements of K-103, given in dimension illustration, are subject to ¼-inch variation.

LIST PRICES

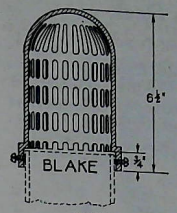
Regular All Iron	Galvanized Complete	Galvanized Dome Only Black Body	Rough Brass Dome, Black Body	All Brass	Weight
$16.00	$21.50	$19.00	$24.00	$40.00	40 lbs.

REPAIR PARTS FOR NO. K-103

	Black	Galvanized	Rough Brass
Domes only	$10.00	$13.00	$18.00
Clamping Ring	2.00	2.60	



K-103—Dimension Illustration



K-100
Dimension Illustration

K-100—Blake Dome Strainers for Areaways, Scale and Elevator Pits, etc.

These dome strainers are made to slip over soil pipe and fastened with set-screws, or can be furnished with female pipe thread.

Recommended for areaways or pits where drainage would be interfered with through leaves and other rubbish stopping up a flat strainer. Made in cast iron or brass, in sizes 3, 4, 5 and 6-inch.

LIST PRICES

Size	Cast Iron	Galvanized	Rough Brass	Polished Brass	Weight
3-inch	$3.00	$3.75	$ 6.00	$ 7.00	5¼ lbs.
4-inch	3.00	3.75	6.00	7.00	5¼ lbs.
5-inch	3.50	4.50	9.00	10.50	8 lbs.
6-inch	5.00	6.20	12.00	13.50	10 lbs.
8-inch	8.00	10.00	18.00	21.00	15 lbs.

K-101—Blake Simplex All Brass Angle Drain for Sills, Cornices, Balconies or Other Similar Situations

K-101

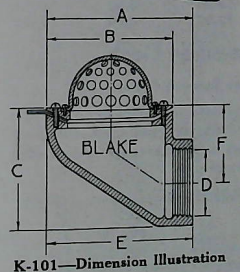
Nickel-Plated Strainer and Collar

A very serviceable drain for proper drainage of overhanging ledges, etc.

Can be furnished with either flat, beehive or dome strainers, with collar ring to clamp flashing material.

They can be furnished in 45 or 90-degree outlets, but 90-degree will be shipped unless otherwise specified.

Measurements of No. K-101, given below, are subject to ¼-inch variation.



K-101—Dimension Illustration

LIST PRICES

Deg.	Sizes	A	B	C	D	E	F	Wt.	Iron Body Brass Top	Galv.	All Brass
90	2"	5	4½	4	2" I. P.	5⅛	2⅝	5¼ lbs.	$6.00	$7.00	$8.00
90	3"	5¼	4½	5¼	3" I. P.	5⅛	3⅛	7¾ lbs.	7.50	9.00	11.00
90	4"	5¼	4½	5¾	4" I. P.	5⅛	3⅝	10 lbs.	9.00	11.00	13.00

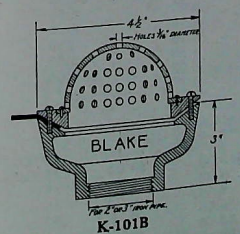
List prices will be the same for 45-degree drain.

If White Metal Strainers and Rims are wanted, add $1.75 to above list for size 2-inch and $2.75 for 3 and 4-inch.

If Chromium Plated Strainers and Rims are wanted, add 70c to list prices of 2-inch size and $1.00 to 3 and 4-inch sizes.

REPAIR PARTS, NO. K-101

	SIZES OF DRAIN 2"	3"	4"
Strainers, either Beehive or Flat, N. P.	$2.00	$3.00	$3.00
Collar Clamping Rings, N. P.	1.25	2.00	2.00
Strainer Screws, each	$ .06		



K-101B

K-101B—Blake Bottom Outlet Cornice or Balcony Drain

Furnished either iron body with brass top, or all brass, also with either flat or beehive strainer.

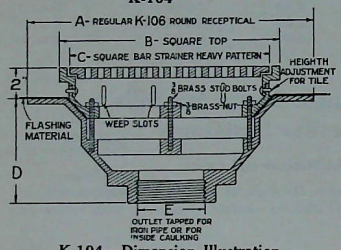
LIST PRICES

Size	Iron Body Brass or N. P. Str.	Add for Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plating	Wt.
2-inch	$4.30	$ .50	$7.50	$1.75	$ .70	4½ lbs.
3-inch	5.30	.50	8.50	1.75	.70	4½ lbs.

Hy-Tech Products

K-104—Blake Safety Waste Drain for Promenade Deck

K-104



K-104—Dimension Illustration

Furnished with Hub or Screwed Outlet

Recommended for roofs used as a promenade deck where a dome or beehive strainer would be unsatisfactory. This drain is made with adjustable grating top fitted into the body of the regular K-106 roof drain. The top frame also serves as the clamping ring and is provided with vertical adjustment to finish flush with roof.

SIZES AND DIMENSIONS

Waste	A	B	C	D	E
2-inch	15	10	9½	5	2
3-inch	15	10	9½	5	3
4-inch	15	10	9½	5	4
5-inch	15½	11½	10	5¼	5
6-inch	17	13	12	5¼	6
8-inch	19¼	15½	14	6½	8

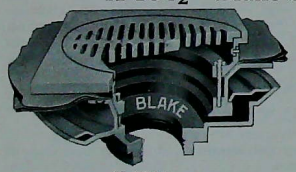
REPAIR PARTS FOR K-104

Size	Black Grate	Galvanized Grate	Brass Grate
2-inch	$3.00	$4.00	$6.00
3-inch	3.00	4.00	6.00
4-inch	3.00	4.00	6.00
5-inch	3.50	4.50	6.50
6-inch	4.00	5.50	8.00
8-inch	4.50	6.00	9.00

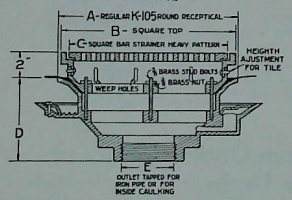
LIST PRICES

Size	Regular	Galvanized	Polished Brass or Nickel-Plated Grate and Rim, with Regular Body	Polished Brass or Nickel-Plated Grate and Rim, with Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plating	Weight
2-inch	$20.00	$26.00	$31.50	$37.50	$43.00	$ 9.00	$ 4.00	33 lbs.
3-inch	20.00	26.00	31.50	37.50	43.00	9.00	4.00	33 lbs.
4-inch	20.00	26.00	31.50	37.50	43.00	9.00	4.00	35 lbs.
5-inch	24.50	31.10	39.00	45.60	52.50	10.50	4.50	45 lbs.
6-inch	27.00	35.00	45.50	53.50	61.00	13.00	5.00	50 lbs.
8-inch	36.00	45.50	55.00	64.50	73.50	13.00	5.00	70 lbs.

K-104½—Blake Safety Waste Drain for Promenade Deck



K-104½



K-104½—Dimension Illustration

Furnished with Hub or Screwed Outlet

This style of drain is made with adjustable grating top fitted into the body of our regular K-105 roof drain. It is like the K-104 drain above, except that it has a safety pan to catch seepage around edge of strainer and return them to the waste pipe.

SIZES AND DIMENSIONS

Waste	A	B	C	D	E
2-inch	11¼	10	9½	6⅛	3
3-inch	11¼	10	9½	6⅛	5⅝
4-inch	11¼	10	9½	6⅛	5⅝
5-inch	12¾	11½	10	6⅛	7
6-inch	14½	13	12	6	7½
8-inch	16⅜	15½	14	7⅜	10⅜

REPAIR PARTS FOR K-104½

Size	Black Grate	Galvanized Grate	Brass Grate
2-inch	$3.00	$4.00	$6.00
3-inch	3.00	4.00	6.00
4-inch	3.00	4.00	6.00
5-inch	3.50	4.50	6.50
6-inch	4.00	5.50	8.00
8-inch	4.50	6.00	9.00

LIST PRICES

Size	Regular	Galvanized	Pol. Brass or N. P. Grate & Rim with Regular Body	Pol. Brass or N. P. Grate & Rim with Galv. Body	All Brass	Add for White Metal Top	Add for Chrome Plating	Weight
2-inch	$25.50	$32.10	$35.50	$42.10	$47.50	$ 9.00	$4.00	36 lbs.
3-inch	25.50	32.10	35.50	42.10	47.50	9.00	4.00	36 lbs.
4-inch	25.50	32.10	35.50	42.10	47.50	9.00	4.00	40 lbs.
5-inch	31.50	39.60	44.50	52.60	58.00	10.50	4.50	52 lbs.
6-inch	36.50	47.10	53.50	64.10	75.00	13.00	5.00	55 lbs.
8-inch	45.00	56.40	65.00	76.40	87.20	13.00	5.00	75 lbs.

All Blake Roof Drains can be furnished with either screw pipe or caulk type outlet at same price.

K-104A—Blake Small Size Promenade Deck Drain

K-104A

Made in Size 2-inch Only

Identically the same design in every detail as K-104, but smaller dimensions in accordance with its smaller outlet. Not intended for Government projects.

Dimensions

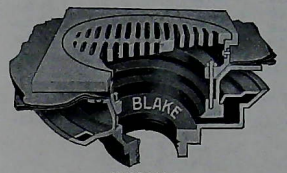
Size	A	B	C	D	E
2	11	7	6	4	2

LIST PRICES

Regular All Iron	Galv.	C. I. Body Pol. Brass or N. P. Top	Galv. Body Pol. Brass or N. P. Top	All Brass	Add for White Metal Top	Add for Chrome Plating	Wt.
$15.00	$18.00	$24.00	$27.00	$32.00	$6.00	$2.75	15 lbs.

K-104½A—Blake Small Size Promenade Deck Drain

With Safety Pan—Made in Size 2-inch Only



K-104½A

This is another small design for use with concrete roofs and can be built up to suit tile of any kind.

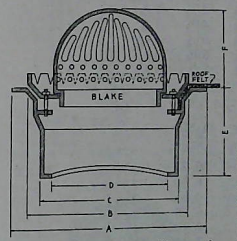
It is the same as K-104A except that it has a safety drainage flange. Not intended for Government projects.

Dimensions

Size	A	B	C	D	E
2	8¼	7	6	4½	2

LIST PRICES

Regular All Iron	Regular Galv.	Blk. Body Pol. Brass or N. P. Top	Galv. Body Pol. Brass or N. P. Top	All Brass	Wt.
$18.00	$22.00	$27.00	$31.00	$36.00	18 lbs.



K-106B—Dimension Illustration

K-106B—Blake Short Pattern Roof Head

With Gravel Arrester

This is a drain designed for low price, yet very efficient. It has no sump and the dome strainer is shallow. The angle clamping ring with brass bolts and nuts make a tight joint.

Made in sizes from 2 to 8 in. for screw or soil pipe.

SIZES AND DIMENSIONS

Size	A	B	C	D	E	F
2-inch	8	6¼	5¼	2⅝	3	4
3-inch	9	7¼	6¼	3⅝	3	4¾
4-inch	10	8¼	7¼	4⅝	3	4¾
5-inch	11	9¼	8¼	5⅝	3	4¾
6-inch	12	10¼	9¼	6⅝	3	4¾
8-inch	14	12¼	11¼	8⅝	3	5½

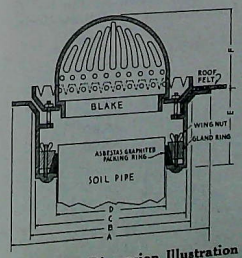
LIST PRICES

Size	Black	All Galvanized	With Dome only Galvanized	With Dome only Rough Brass	If All Brass	Weight
2-inch	$ 8.00	$ 9.50	$ 8.50	$12.00	$15.00	11 lbs.
3-inch	10.00	12.50	11.00	16.00	24.00	17 lbs.
4-inch	10.00	12.50	11.00	16.00	24.00	20 lbs.
5-inch	13.00	16.00	14.50	20.00	35.00	27 lbs.
6-inch	13.00	16.00	14.50	20.00	35.00	31 lbs.
8-inch	20.00	25.00	22.00	30.00	48.00	40 lbs.

Expansion joints at extra cost. See catalog, page 112.

K-106BE—Blake Short Pattern Roof Drain

With Expansion Joint Cast Integral
For Soil Pipe only—No screw connection



K-106BE—Dimension Illustration

Blake Combination Roof Drain and Expansion Joint represents quite a saving in cost. The Roof Drain Pattern is the same as K-106B with a little length added for the expansion joint arrangement, which, as noted in the illustration, is about the same as the principle used in our regular K-109 joint.

LIST PRICES

Size	Black	All Galvanized	With Dome only Galvanized	With Dome only Rough Brass	If All Brass	Weight
2-inch	$12.00	$13.00	$12.50	$14.00	$16.00	12 lbs.
3-inch	14.00	16.00	15.00	18.50	26.00	19 lbs.
4-inch	15.00	17.00	16.00	19.50	28.00	22 lbs.
5-inch	16.00	19.00	18.50	23.00	38.00	30 lbs.
6-inch	17.00	21.00	19.50	24.00	39.00	35 lbs.
8-inch	24.00	30.00	25.50	32.00	55.00	45 lbs.

All Blake Roof Drains can be furnished with either screw pipe or caulk type outlet at same price.

Hy-Tech Products

K-105—Blake Safety Waste Roof Drain with Safety Pan and Seepage Holes for Concrete Roof

K-105

Here is a practical trouble-proof roof drain for poured concrete roofs. Standard on U. S. Government work, drain is equipped with heavy dome strainer, large suitable gravel basin, heavy V-type slotted gravel, and large extra heavy flanged body. Don't confuse Blake roof drains with other competitive drains on the market, as we never sidetrack quality for low price.

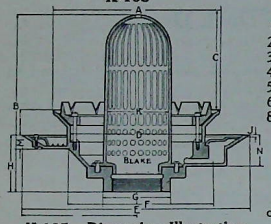
LIST PRICES

Size	Regular	All Galvanized	With Dome Only Galvanized	With Rough Brass Dome	All Brass	Weight
2-inch	**$21.50**	**$27.00**	**$23.50**	**$27.50**	**$44.50**	32 lbs.
3-inch	**21.50**	**27.00**	**23.50**	**27.50**	**44.50**	32 lbs.
4-inch	**21.50**	**27.00**	**23.50**	**27.50**	**44.50**	35 lbs.
5-inch	**25.00**	**32.00**	**28.00**	**36.00**	**54.50**	45 lbs.
6-inch	**29.70**	**37.60**	**33.40**	**41.70**	**68.00**	50 lbs.
8-inch	**40.00**	**51.40**	**45.00**	**64.00**	**85.20**	70 lbs.

If Drains are wanted with Side Outlet, add 25% to above list.

If Drains are wanted with Square Top, add 5% to above list prices.

No extra charge if outlet is to be hub end for soil pipe to slip up for inside caulking.



K-105—Dimension Illustration

SIZES AND DIMENSIONS

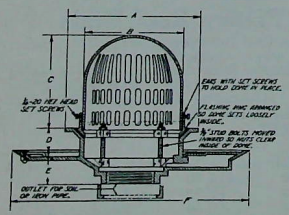
Waste	A	B	C	D	E	F	G	H	I	J	K	L	M	N
2-inch	11¼	12½	6⅜	8¾	14⅜	9¾	5⅝	3½	1¾	⅛	4½	7 3/16	⅞	1⅞
3-inch	11¼	12½	6⅜	8¾	14⅜	9¾	5⅝	3½	1¾	⅛	4½	7 3/16	⅞	1⅞
4-inch	11¼	12½	6⅜	8¾	14⅜	9¾	5⅝	3	1¾	⅛	4½	7 3/16	⅞	1⅞
5-inch	12¾	12½	6⅜	10½	15¾	11¼	7	3⅛	2¼	⅛	6⅛	7 7/8	¾	1¾
6-inch	14½	13	7	12	17½	12¾	7½	3⅜	1¾	⅛	6⅝	8¾	⅞	1⅞
8-inch	16⅜	15	7⅝	13¾	19½	14¾	10⅜	3½	3⅛	⅛	9	9¾	¾	1¾

REPAIR PARTS FOR K-105

Size	Black Domes Only	Galvanized Domes Only	Rough Brass Domes Only	Polished Brass Domes Only	Weight	Flashing Ring Black	Flashing Ring Galvanized	Flashing Ring All Brass	Weight	Flashing Ring Bolts and Nuts Per Set of 4
2-inch	$5.00	$ 6.50	$10.00	$14.00	6 lbs.	$3.00	$4.00	$6.00	1⅝ lbs.	$1.00
3-inch	5.00	6.50	10.00	14.00	6 lbs.	3.00	4.00	6.00	2½ lbs.	1.00
4-inch	5.00	6.50	10.00	14.00	7 lbs.	3.00	4.00	6.00	2½ lbs.	1.00
5-inch	5.50	7.10	11.00	15.00	11 lbs.	3.30	4.40	6.60	3 lbs.	1.00
6-inch	6.00	7.80	13.00	17.00	12 lbs.	3.60	4.80	7.50	4 lbs.	1.00
8-inch	10.50	13.80	26.00	30.00	24 lbs.	4.50	6.00	9.00	5½ lbs.	1.00

K-105M—Blake Safety Waste Roof Drain with Safety Pan and Seepage Holes for Concrete Roof

This is the same drain as the K-105, shown above for concrete roof, except that it has a very wide and high dome which has an inlet three times the area of the outlet, and is designed to take care of quick drainage if necessary.



K-105M—Dimension Illustration

LIST PRICES

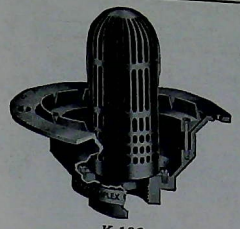
The list price on this drain is the same as those shown for the K-105 above, with the exception of drains with a brass dome or an all brass drain.

Size Outlet	Iron Body Brass Dome	All Brass Drain
2-inch	**$29.50**	**$50.00**
3-inch	**29.50**	**50.00**
4-inch	**29.50**	**50.00**
5-inch	**38.00**	**58.00**
6-inch	**43.70**	**65.00**
8-inch	**68.00**	**85.00**

Dimensions

Size	A	B	C	D	E	F
2-3 and 4	11¼	8¾	8¾	1¾	3	14⅜
5	12¾	10½	8¾	2¼	3	15¾
6	14½	12	8¾	2¼	3⅜	17½
8	16⅜	13¾	8¾	3⅛	3½	19½

All Blake Roof Drains can be furnished with either screw pipe or caulk type outlet at same price.



K-106

K-106—Blake Safety Waste Roof Drain

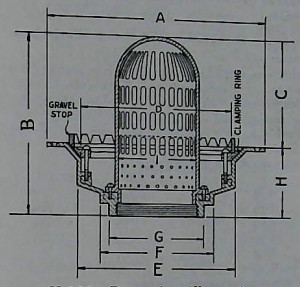
Furnished with Hub or Screwed Outlet

With heavy metal flashing ring secured to drain body with heavy brass studs. This roof drain, while primarily designed for wood and precast concrete roofs, is adaptable also for concrete poured roofs. Standard on U. S. Government work, drain is equipped with heavy dome strainer, large suitable gravel basin, heavy V type slotted gravel stop, and large wide flanged body. This is one of the finest roof drains on the market.

LIST PRICES

Size	Black	All Galvanized	With Dome Only Galvanized	With Dome Only Rough Brass	All Brass	Weight
2-inch	**$16.00**	**$21.50**	**$17.50**	**$21.00**	**$40.00**	28 lbs.
3-inch	**16.00**	**21.50**	**17.50**	**21.00**	**40.00**	28 lbs.
4-inch	**16.00**	**21.50**	**17.50**	**21.00**	**40.00**	30 lbs.
5-inch	**19.50**	**25.00**	**21.10**	**25.00**	**49.00**	40 lbs.
6-inch	**21.50**	**27.00**	**23.30**	**28.50**	**54.00**	44 lbs.
8-inch	**30.00**	**39.50**	**34.00**	**45.50**	**71.50**	63 lbs.

No extra charge for outlet to be hub end for soil pipe to slip up and caulk inside. IF DRAINS ARE WANTED WITH SIDE OUTLET, ADD 25% TO ABOVE LIST. Expansion Joints can be furnished at extra cost. (For prices see page 112). If drains are to have square top, add 5% to above list prices.



K-106—Dimension Illustration

SIZES AND DIMENSIONS

Waste	A	B	C	D	E	F	G	H	I
2-inch	15	12¼	7½	8¾	9½	6¾	5½	4¾	4½
3-inch	15	12¼	7½	8¾	9½	6¾	5½	4¾	4½
4-inch	15	12¼	7½	8¾	9½	6¾	5½	4¾	4½
5-inch	16¼	12½	7¼	10½	11	8	6¾	5¼	6⅛
6-inch	17¼	13¼	8⅛	12	12½	9	7½	5⅛	6⅜
8-inch	19½	15	8½	13¾	14¾	11¼	10¼	6½	9

REPAIR PARTS FOR K-106

Size	Black Domes Only	Galvanized Domes Only	Rough Brass Domes Only
2-inch	$5.00	$ 6.50	$10.00
3-inch	5.00	6.50	10.00
4-inch	5.00	6.50	10.00
5-inch	5.50	7.10	11.00
6-inch	6.00	7.80	13.00
8-inch	10.50	13.80	26.00

Polished Brass Domes Only	Weight	Flashing Ring Black	Flashing Ring Galvanized	Flashing Ring All Brass	Weight	Flashing Ring Bolts and Nuts Per Set of 4
$14.00	6 lbs.	$3.00	$4.00	$6.00	1⅝ lbs.	$1.00
14.00	6 lbs.	3.00	4.00	6.00	2½ lbs.	1.00
14.00	7 lbs.	3.00	4.00	6.00	2½ lbs.	1.00
15.00	11 lbs.	3.30	4.40	6.60	3 lbs.	1.00
17.00	12 lbs.	3.60	4.80	7.50	4 lbs.	1.00
30.00	24 lbs.	4.50	6.00	9.00	5½ lbs.	1.00

K-106M

K-106M—Blake Safety Waste Roof Drain

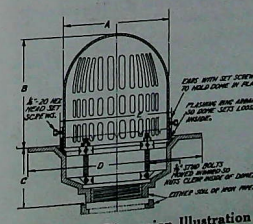
Furnished with Hub or Screwed Outlet

Here is a very practical roof drain with high gravel stop, adapted for use where large volume of water is to be handled. Dome strainer is extra large insuring ample drainage at all times. The body of the drain is our regular K-106 shown above.

LIST PRICES

The list price of this drain is the same as those shown for the K-106 above, with the exception of drains with a brass dome or an all-brass drain.

Size Outlet	Iron Body Iron Dome	All Brass Drain
2-inch	**$23.00**	**$43.00**
3-inch	**23.00**	**43.00**
4-inch	**23.00**	**43.00**
5-inch	**28.00**	**52.00**
6-inch	**31.00**	**57.00**
8-inch	**50.00**	**75.00**



K-106M—Dimension Illustration

Dimensions

Size	A	B	C	D	E
2-3 and 4	8¾	8¾	4¾	16	9
5	10½	8¾	5¼	16¼	10½
6	12	8¾	5¼	17¼	12
8	13¾	8¾	6½	19½	13¾

All Blake Roof Drains can be furnished with either screw pipe or caulk type outlet at same price.

Hy-Tech Products

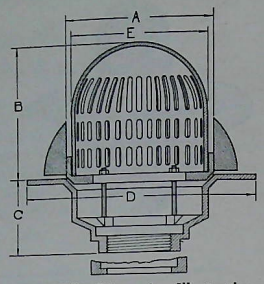
K-106MF—Blake Roof Drain for Built up Wood Roofs and K-105MF for Concrete Poured Roofs

K-106MF

Made with Screwed or Hub Outlet for Inside Caulking

LIST PRICES same as K-106M and K-105M

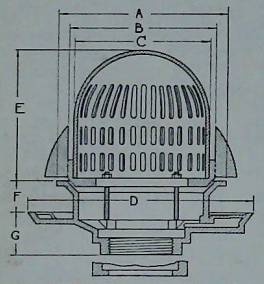
Here is a roof drain recently designed for use on industrial plants and buildings of low height where the hazard of leaves and other foreign matter getting on roof exists. Note a row of close breaker fins is cast around dome, making it impossible for debris or leaves to flow to dome and thus cause a stoppage in the drainage openings. The potential breaker fins hold this substance back, thus insuring drainage at all times. Made for both concrete and wood roofs as detailed herein. Furnished regularly in cast iron coated with our hot dip process, which insures finish for life of building. Can be finished in galvanized, all brass, or a combination of brass dome with iron body, galvanized iron body, etc. Like all Blake products, these drains are of extra heavy construction and will outlast the building. Expansion joints can be furnished where required. See our K-109 for both screw and soil pipe.



K-106MF—Dimension Illustration

SIZES AND DIMENSIONS K-106MF

Size	A	B	C	D	E	Weight
2-in.	10	8¾	4¾	16	9¼	42 lbs.
3-in.	10	8¾	4¾	16	9¼	42 lbs.
4-in.	10	8¾	4¾	16	9¼	42 lbs.
5-in.	13¼	8¾	5¼	16¼	9¼	59 lbs.
6-in.	13¼	8¾	5¼	17¼	9¼	67 lbs.
8-in.	16	8¾	6½	19½	9¼	90 lbs.



K-105MF—Dimension Illustration

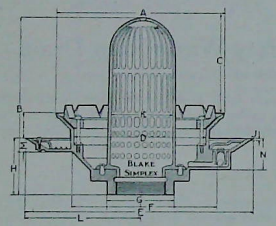
SIZES AND DIMENSIONS K-105MF

Size	A	B	C	D	E	F	G	Weight
2-in.	11¼	10	8¾	14⅜	8¾	1¾	3	50 lbs.
3-in.	11¼	10	8¾	14⅜	8¾	1¾	3	50 lbs.
4-in.	11¼	10	8¾	14⅜	8¾	1¾	3	50 lbs.
5-in.	12¾	13¼	10½	15¾	8¾	2¼	3	65 lbs.
6-in.	14½	13¼	12	17½	8¾	2¼	3⅜	75 lbs.
8-in.	16⅜	16	13¾	19	8¾	3⅛	3½	98 lbs.

K-105A—Blake Special Small Size Safety

Waste Roof Drain

This drain is for poured concrete roofs and is exactly like the K-105 roof drain only it is much smaller and is made in the two-inch size only.



K-105A—Dimension Illustration

Size Outlet	LIST PRICES
2-inch—Regular	$12.00
2-inch—All galvanized	14.00
2-inch—With dome only galvanized	13.00
2-inch—With rough brass dome	16.00
2-inch—Rough brass dome, galvanized body	18.00
2-inch—All brass	25.00

Weight, approximately 15 lbs.

For side outlet, add 25% to above list. For square flange top, add 5% to above list.

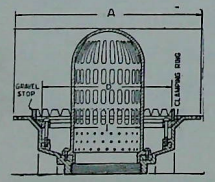
DIMENSIONS

Size	A	B	C	E	H
2	8¼	7½	3	11	2¾

K-106A—Blake Special Small Size Safety

Waste Roof Drain

This drain is for wood roofs and is exactly like the K-106 roof drain, only it is much smaller and is made in the two-inch size only.



K-106A—Dimension Illustration

Size Outlet	LIST PRICES
2-inch—Regular	$10.00
2-inch—All galvanized	12.00
2-inch—With dome only galvanized	11.00
2-inch—With rough brass dome	14.00
2-inch—Brass dome, galvanized body	16.00
2-inch—All brass	20.00

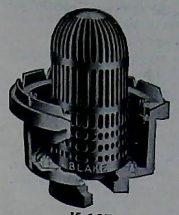
Weight, approximately 12 lbs.

For side outlet, add 25% to above prices. For square flange top, add 5% to above prices.

DIMENSIONS

Size	A	B	C	D	H
2	10½	7½	3¾	6	3¾

K-107—Blake Simplex Roof Drain for Gutters or Narrow Valleys



K-107

This drain has a narrow body, suitable for gutters or small valleys. It has all our features, such as locked anti-tilting dome, and our clamping ring for roofing felts. It can be used in any place where the gutter width is not less than 8 inches.

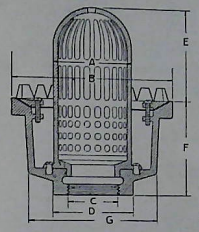
LIST PRICES

Size	Black	All Galvanized	With Dome Only Galvanized	With Dome Only Rough Brass	All Brass	Weight
2-inch	$ 9.00	$10.30	$ 9.80	$13.50	$22.50	16 lbs.
3-inch	9.00	10.30	9.80	13.50	22.50	16 lbs.
4-inch	9.00	10.30	9.80	13.50	22.50	16 lbs.
5-inch	10.00	11.40	10.80	14.50	25.00	18 lbs.

IF DRAINS ARE WANTED WITH SIDE OUTLET, ADD 25% TO ABOVE LIST.

Expansion Joints can be furnished at extra cost. (For prices see page 112).

No extra charge if outlet is to be furnished hub end for soil pipe to slip into it for inside caulking.



K-107—Dimension Ill.

Measurements of K-107, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

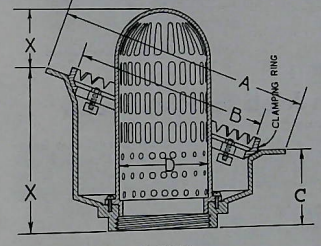
Waste	A	B	C	D	E	F	G
2-inch	5½	8	2" I. P.	6¼	8	4½	7
3-inch	5½	8	3" I. P.	6¼	8	4½	7
4-inch	5½	8	4" I. P.	6¼	8	4½	7
5-inch	5½	8	5" I. P.	6¼	8	4½	7

REPAIR PARTS FOR K-107

Size	Black Domes Only	Galvanized Domes Only	Rough Brass Domes Only	Polished Brass Domes Only	Weight
2, 3, 4, 5-in.	$3.00	$ 3.80	$ 7.50	$10.00	5 lbs.

Brass Clamping Rings for any size, $1.80. Brass Clamping Screws, per set of 4, 40 cents.

K-108S—Blake Roof Drain



K-108S

For any Kind of Saw Tooth Roof Construction—Square Flange Top

We can furnish this in any desired pitch. Clamping ring with brass bolts securely hold roofing felt in place.

Expansion joints can be furnished if required—see page 112.

Dimensions and List Prices

A Outlet	Square Top	B	C	D	Cast Iron Blk.	Cast Iron Galv.	All Brass	Wt.
2"	14"	3	11½	4½	$19.00	$24.30	$45.00	40 lbs.
3"	14"	3	11½	4½	19.00	24.30	45.00	40 lbs.
4"	14"	3	11½	4½	19.00	24.30	45.00	40 lbs.
5"	16"	4	13	4½	21.00	27.50	50.00	50 lbs.
6"	16"	4	13	4½	24.00	31.50	55.00	55 lbs.

Repairs for Dome Strainers and Clamping Rings are same prices as for K-106.

IMPORTANT INFORMATION TO USE IN INSTALLING ROOF DRAINS

In this section is shown, and illustrated, the most complete line of Roof Drains made by any one manufacturer. You will find roof drains for all types of construction. We recommend the use of expansion joints on all roofs of wood construction. With reference to the use of expansion joints on down spout lines, we wish to correct the wrong impression held by many engineers that the expansion joint is to absorb the expansion in the pipe line. This is only fractionally true, as the expansion joint is to absorb the weave of roofs caused by snow loads and wind velocity, etc. By using expansion joints the connection between roofing and flashing of drain is protected, due to the fact that where lines are entirely rigid the strain of a weaving roof will break this joint and cause no end of leakage trouble, which can only be corrected by installing expansion joints on the down spout lines.

All Blake Roof Drains can be furnished with either screw pipe or caulk type outlet at same price.

K-108A—Blake Anti-Freeze Roof Drain for Saw Tooth or Valley Roofs

K-108A

This is an entirely new design intended for the purpose of avoiding accumulations of ice and rubbish around the strainer. It is without a sump, and the arrangement of the strainer is such that it does not permit stoppage.

Clamping ring securely holds roofing material or other safety metal flashings. Strainer is fastened with square head brass bolts. Made for any pitch of roof.

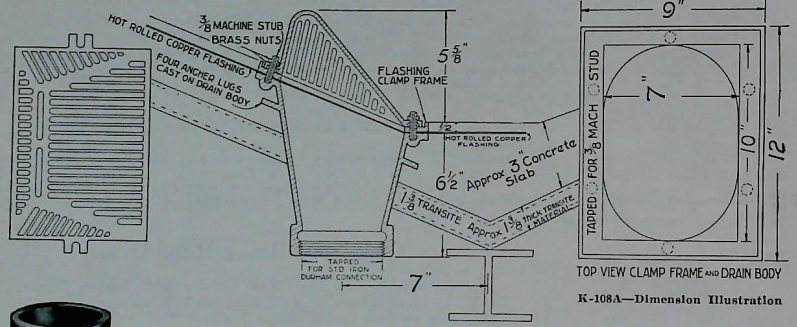
Made in one size for either 4 or 6-inch pipe. Either screwed or hubbed for soil pipe.

LIST PRICES

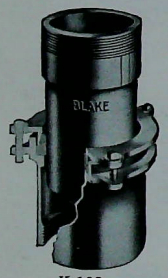
Size	Black	All Galvanized	With Dome Only Galvanized	With Dome Only Rough Brass	All Rough Brass	Weight
4-inch	$18.00	$21.00	$19.00	$22.00	$27.00	23 lbs.
6-inch	20.00	23.00	21.00	24.00	30.00	26 lbs.

REPAIR PARTS

	SIZES OF DRAIN— 4 or 6	Weight
Clamping Frame	$1.80	3½ lbs.
Black Strainers	2.50	4 lbs.
Brass Bolts, per set of 6	2.00	1 lb.



K-108A—Dimension Illustration



K-109

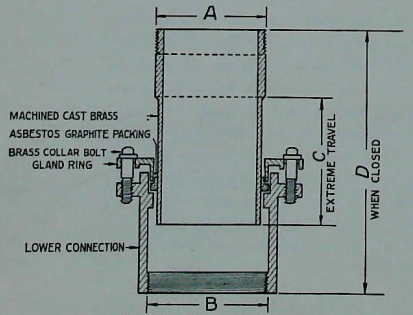
K-109—Blake Expansion Joints for Roof Drains

With Cast Brass Sleeve

The body is heavy cast iron, while the brass sleeve is smooth turned heavy cast brass in one piece, continuous to top, threaded for iron pipe and reinforced at threaded end. A graphite saturated asbestos packing ring, held in place by a taper gland ring, is expanded against the sleeve by screwing down three brass bolts. This arrangement makes a positive air and water-tight joint.

LIST PRICES

Size	Price	With Galv. Body	All Brass	Weight
2-inch	$ 5.50	$ 6.50	$ 9.00	6 lbs.
3-inch	7.00	8.50	12.00	10 lbs.
4-inch	8.00	10.00	14.00	12 lbs.
5-inch	11.00	13.50	18.00	15 lbs.
6-inch	13.00	16.00	22.00	22 lbs.
8-inch	21.00	26.00	36.00	35 lbs.



K-109—Dimension Illustration

Measurements of K-109, given below, are subject to ¼-inch variation.

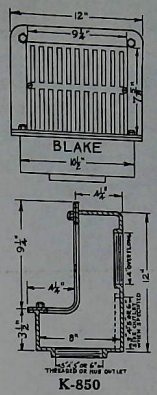
SIZES AND DIMENSIONS

Size	A	B	C	D
3-inch	3″ I. P.	3″ I. P.	2	6
4-inch	4″ I. P.	4″ I. P.	2	6
5-inch	5″ I. P.	5″ I. P.	2	6
6-inch	6″ I. P.	6″ I. P.	2	6
8-inch	8″ I. P.	8″ I. P.	2	6

REPAIR PARTS FOR K-109

Size	Gland Rings	Packing	Set of 3 Bolts
3-inch	$1.00	$ .75	$1.00
4-inch	1.00	.80	1.00
5-inch	1.30	1.00	1.00
6-inch	2.00	1.50	1.00
8-inch	3.00	2.00	1.00

These expansion joints can be converted to soil pipe connection by adding spigot or hub connectors (shown on page 52) at such additional list prices.



K-850

K-850—Blake Parapet Wall Roof Drain

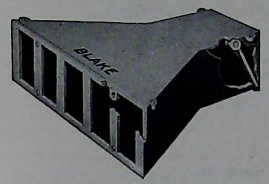
With Overflow Outlet Through Wall

Suitable for any construction of wall and arranged to discharge overflow through back opening and through the wall. Can be furnished with threaded outlet or for soil pipe connection for inside caulking—drain is complete with bolted clamping plate and removable grate.

LIST PRICES

Outlet Size 2,-3 and 4-inch Grate Dia. 9½x7½		Outlet Size 5 and 6-inch Grate Dia. 9½x7½	
Black	$21.00	Black	$23.00
Galvanized	26.80	Galvanized	28.80
Brass Face, Black Body	31.00	Brass Face, Black Body	33.00
Brass Face, Galvanized	35.30	Brass Face, Galvanized	37.30
White Metal Face, Black	51.00	White Metal Face, Black	53.00
White Metal Face, Galv.	55.30	White Metal Face, Galv.	57.30
All Brass	54.50	All Brass	56.50
All Brass, White Metal Face	74.50	All Brass, White Metal Face	76.50
Add for Chrome Plating	6.00	Add for Chrome Plating	6.00

K-47—Blake Scupper Drain for Factories, Warehouses, Loft Buildings, Etc.

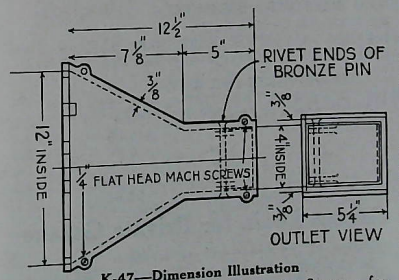


K-47

Scupper drains are for the purpose of affording a quick escape of water that may be thrown on the floors by sprinkler heads or fire hose, and thereby avert damage by water to merchandise on floors below. The installation of these drains will reduce your insurance.

Made in sizes to suit the walls.

They are set in the exterior walls with outlet to the outside, which opening, however, is protected with a swinging self-closing gate hinged on bronze pins.



K-47—Dimension Illustration

Measurement shown in above cut are for Scupper for 13-inch wall.

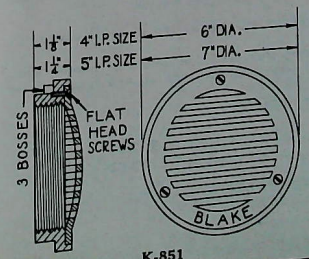
Placed at floor level, or a little below, with a fall of two inches or more to the foot, any sudden volume of water falling on the floors is quickly drained to the outside.

LIST PRICES

For 9-inch Wall	$ 9.00
For 13-inch Wall	10.00
For 17-inch Wall	13.00
For 22-inch Wall	15.50
For 24-inch Wall	18.00

Weight of Scupper for 13-inch wall is 35 pounds.

Can also Furnish Intermediary Sizes as Required.



K-851

K-851—Blake Fresh Air Inlet Connection

New York State Type—All Brass

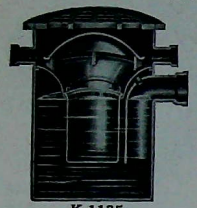
This has removable convex face plate. Furnished in 4" or 5" size.

Dimensions and List Prices

Size	Orifice Area	Wt.	Pol. Brass	N. P. Brass	Chrome Plated
4-inch	8 9/10 Sq. In.	4½ lbs.	$10.00	$11.00	$13.00
5-inch	14 2/5 Sq. In.	6¼ lbs.	13.00	14.30	15.60

Hy-Tech Products

K-1135—Blake Garage Drains, Extra Heavy



K-1135
(Patented May 22, 1923)

Embodies every element of safety. Complete separation of oil, mud and gas. No fire risk.

Furnished in small and large patterns, for use in private and public garages, etc. Can be furnished without vent, or one or two vent openings, but two vents will be shipped unless otherwise ordered. Made extra heavy, and to receive 4-inch extra heavy pipe. Vent connections are for 2-inch extra heavy pipe. Water seal on small pattern is 6 inches, large pattern 9 inches. Mud buckets are easily removed and emptied.

Can also furnish this drain with double drainage flange if desired.

Small size—16 inches across top, 18 inches deep, 14⅝-inch strainer. Weight complete, 140 pounds.

Same trap, without bell, shelf or bucket—weight 122 pounds.

Large Size—21 inches across top, 30 inches deep, 19-inch strainer. Weight complete, 340 pounds.

Same trap, without bell, shelf or bucket—weight 280 pounds.

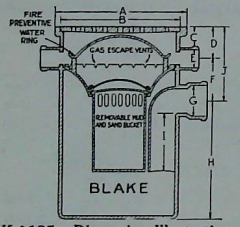
Specify large or small, and whether complete or trap only.

Can be furnished with extra 4-inch Hub Inlet for drainage from upper floors where car washing is done.

LIST PRICES

Size	Regular	Without Inside Trimmings
16x18	$46.20	$39.40
21x30	99.00	85.80

Deduct $1.10 from list price for each vent not wanted.
If any of above vents are changed to size 4-inch, add to list price $2.00.
If extra 4-inch inlet is needed for drainage from an upper floor, add to list price $3.30.
If double drainage flange is wanted, add to list price, 16x18 drain $6.00.
If clamping device is wanted for above, add to list price $4.00.
If double drainage flange is wanted, add to list, 21x30 size $8.00.
If clamping device for above is wanted, add to list $8.00.



K-1135—Dimension Illustration

Measurements of K-1135, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

Size	A	B	C	D	E	F	G	H	I	J
S-16x18	16	14⅝	2½	4½	2"S.P.	1⅛	4"S.P.	12⅜	6	5⅝
L-21x30	21	19	3¼	5	2"S.P.	7	4"S.P.	18	9	12

REPAIR PARTS FOR K-1135

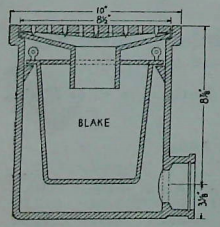
	Size 16x18 Price	Size 16x18 Weight	Size 21x30 Price	Size 21x30 Weight
Top Grate	$5.00	13 lbs.	$10.00	37 lbs.
Top Shelf	3.00	6 lbs.	6.00	16 lbs.
Bottom Shelf	3.00	6 lbs.	8.00	21 lbs.
Bucket	4.00	9 lbs.	9.00	24 lbs.
Top Grates in Brass	15.00		30.00	

K-111—Blake Small Pattern Round Garage Drain for Private Garage

This pattern is for use in private garages for one or two cars.

In many localities there is a demand for a small and inexpensive garage drain, yet furnished with a removable mud bucket, and spreader shelf to reduce agitation of the water and its contents.

In this drain the water is fanned out on the top shelf, so agitation is at a minimum when entering bucket, thus intercepting all mud and refuse when the water overflows from the bucket.



K-111—Dimension Illustration

The spreader shelf has vent openings around the top to avoid dangerous gas pocket under the shelf.

Made in one size only, with 4-inch Bell or Screw Outlet at bottom side, from which point the water sealed trap must be made up and furnished by the contractor.

LIST PRICES

		Weight
Price Complete	$17.00	85 lbs.
Price, Without Inside Trimmings	13.00	60 lbs.

REPAIR PARTS

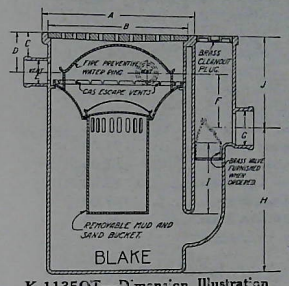
Cast Iron Strainer	$2.00
Cast Iron Buckets	2.00
Cast Iron Spreader Shelf	2.00

K-1135OT—Blake Garage Drain

This is the same patented design as our K-1135, with the exception of its having an open trap with surface cleanout. Cleanout opening is extra large for servicing. Can be furnished with or without back water valve: also concrete anchoring flange and seepage holes for double drainage if needed. Being made in two convenient sizes, 16x18 and 21x30 make it adaptable for any garage wash room or other place where mud and sediment must be separated from water before entering sewer.

LIST PRICES

Sizes	Complete Except Back Water Valve	Wt.	Less Inside Trimmings	Wt.	Add for Back Water Valve
16x18	$55.00	160 lbs	$47.30	140 lbs.	$8.00
21x30	110.00	375 lbs.	96.00	315 lbs.	8.00



K-1135OT—Dimension Illustration

Deduct $1.10 from list price for each vent not wanted.
If any of above vents are changed to size 4-inch, add to list price $2.00.
If extra 4-inch inlet is needed for drainage from an upper floor, add to list price $3.30.
If double drainage flange is wanted, add to list price, 16x18 drain $6.00.
If clamping device is wanted for above, add to list price $4.00.
If double drainage flange is wanted, add to list, 21x30 size $8.00.
If clamping device for above is wanted, add to list $8.00.

REPAIR PARTS FOR K-1135

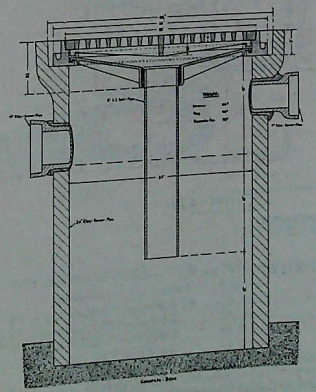
	Size 16x18 Price	Size 16x18 Weight	Size 21x30 Price	Size 21x30 Weight
Top Grate	$ 5.00	13 lbs.	$10.00	37 lbs.
Top Shelf	3.00	6 lbs.	6.00	16 lbs.
Bottom Shelf	3.00	6 lbs.	8.00	21 lbs.
Bucket	4.00	9 lbs.	9.00	24 lbs.
Top Grates in Brass	15.00		30.00	
Brass Top	20.00		22.00	

SIZES AND DIMENSIONS

Size	A	B	C	D	E	F	G	H	I	J	Overall Length
16x18	16	14⅝	2½	4½	2" S.P.	1⅛	4" S.P.	12⅜	6	5⅝	27½
21x30	21	19	3¼	5	2" S.P.	7	4" S.P.	18	9	12	33

BLAKE HEAVY CAST IRON GARAGE DRAIN TOP

For Use With Tile or Cement Basin



K-602
Top Castings Only for Concrete or Tile Basins

The Blake Special Garage Heavy Duty Drain Top consists of a heavy cast iron anti-tilting grate that will sustain a uniformly distributed load of fifty pounds per square inch. It is supported upon a heavy cast iron circular ring, with an anchorage groove on its outer edge. The sealing of the gases is done with a discharge pan, into which is caulked a pipe which extends into the water of the basin.

The basin is made either of concrete or of a vitrified clay pipe. The annexed illustration shows it with the clay pipe.

LIST PRICE

K-602.....Diameter, 24-inch.....$45.00

AREA DRAIN

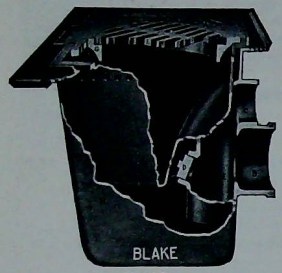
The grate and its supporting ring are used as an area drain.

K-611.....Diameter, 24-inch..... 35.00

Hy-Tech Products

BLAKE GARAGE DRAINS

K-110—Blake Simplex Patented Safety Waste Drain Combination Oil and Sand Trap



K-110

Strainer Grate (A)—Painted cast iron—hinged.

Oil Container (G)—Painted cast iron—hinged.

Sand Bucket (F)—Painted cast iron—removable.

Body (H)—Painted cast iron, with safety waste pan (J), 4-inch hub outlet (B), 2-inch vent connection (C), and trap seal (E), with brass cleanout plug (D).

Removable Brass Top—A ¼-inch thick removable cast brass top with exposed surface nickel-plated or polished can be furnished.

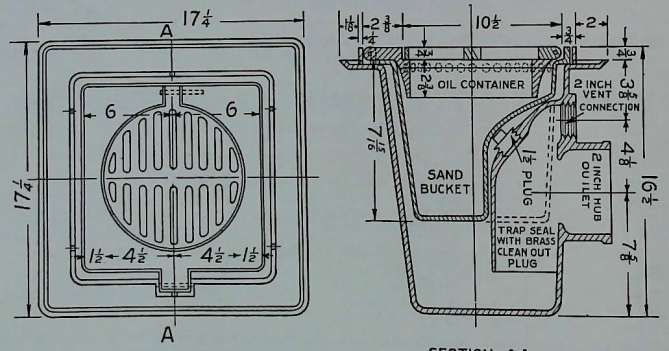
Use—Garages, factories, machine shops, warehouses. Guaranteed to eliminate oil and sand from drainage lines.

Weight 185 pounds.

LIST PRICES

No.	Body and Bucket	Top	Price
K-110	Painted C. I.	Painted Cast Iron	$ 55.00
K-110A	Galvanized C. I.	Galvanized Cast Iron	77.00
K-110B	Painted C. I.	N. P. Cast Brass	87.00
K-110C	Painted C. I.	Polished Cast Brass	85.00
K-110D	Galvanized C. I.	N. P. Cast Brass	107.00
K-110E	Galvanized C. I.	Polished Cast Brass	105.00

Measurements of K-110, given on dimension illustration, are subject to ¼-inch variation.



K-110—Dimension Illustration

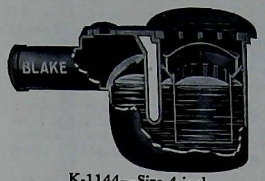
REPAIR PARTS FOR K-110

	Price	Weight
C. I. Black Bucket	$14.00	48 lbs.
C. I. Black Strainer	3.00	7 lbs.
C. I. Black Strainer Rim	6.00	20 lbs.

All of our garage drains are built for safety. Many of the so-called garage drains on the market are mere sumps, with no regard to proper requirements. Such drains are manufactured for one purpose only—to sell at a price below those of engineered construction.

K-1144 and K-1146—Blake "Economy" Safety Garage Drain

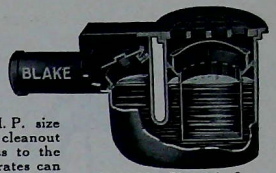
Low In Price and Most Efficient



K-1144—Size 4-inch Without Back Water Valve

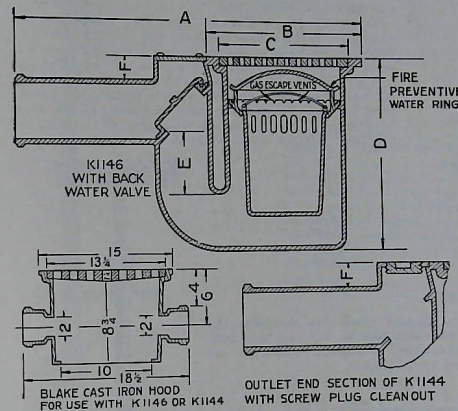
Made extra heavy with reinforced strainer. Complete with deflectors and removable mud bucket. Water seal is 5 inches. Outlet is 4 inches. Diameter of top is 12 inches. Total depth, 14 inches. Total length, 26½ inches. Weight, 100 pounds.

Plain drain furnished with 2-inch I. P. size surface cleanout. Back water trap has cleanout plate large enough to give easy access to the valve. Vented hoods with reinforced grates can be furnished for attachment to top of drain. Hood is 9 inches high.



K-1146—Size 4-inch With Back Water Valve

Measurements of K-1144 or K-1146, given below and on dimension illustration, are subject to ¼-inch variation.



K-1144 and K-1146—Dimension Illustration

SIZE AND DIMENSIONS

Outlet	A	B	C	D	E	F
4-inch	25½	12	10	14	4	2

LIST PRICES

K-1144—Without Back Water Valve.....$36.30
K-1146—With Back Water Valve..... 44.00
Vented Hood, add to above list, $13.20

REPAIR PARTS FOR K-1144 OR K-1146

	Price	Weight
Top Grate	$4.40	9 lbs.
Bucket	4.40	9¼ lbs.
Top Shelf	1.10	3½ lbs.
Bottom Shelf	1.10	3 lbs.

K-1700—Blake Cistern Rings and Covers, or Garage Drain Rings and Covers

For Cement or Tile—Made in Five Sizes, as Below—With or Without Holes in Cover

K-1700

If holes are wanted in cover, be sure and specify or solid cover will be shipped.

Our pattern is heavy, with covers reinforced underneath to stand heavy trucks and cars passing over them. The covers fit flush into the ring.

The rings have prongs to go over outside of bell of tile pipe, while a rib around inside bottom fits on the inside of bell.

LIST PRICES—RINGS AND COVERS

RINGS AND COVERS—With or Without Holes

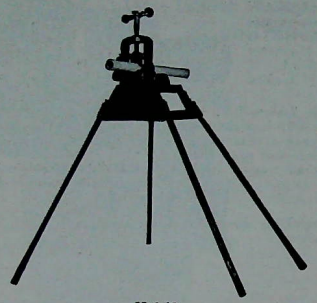
Size	Weight	Price
For 12″ pipe by 15″ over all	17 lbs.	$ 3.30
For 15″ pipe by 18″ over all	24 lbs.	4.50
For 18″ pipe by 21″ over all	32 lbs.	6.00
For 20″ pipe by 24″ over all	44 lbs.	8.00
For 24″ pipe by 28″ over all	88 lbs.	15.00

COVERS ONLY—With or Without Holes

Size	Diameter	Weight	Price
For 12″ Rings	10″	6½ lbs.	$1.40
For 15″ Rings	13¼″	14 lbs.	2.50
For 18″ Rings	16¾″	21 lbs.	3.75
For 20″ Rings	19½″	22½ lbs.	4.50
For 24″ Rings	23⅜″	59 lbs.	11.00

If rings only are wanted, price will be the difference between complete sets and covers only.

K-150—Blake-QS Latest Improved Portable Pipe Vise Stand and Pipe Bender



K-150

Special Blake-QS Features

Our Portable Stand, Pipe Vise and Pipe Bender is designed along new and practical lines, is made in our own factories and carries our guarantee against defective materials and workmanship.

The body of this combination portable stand, pipe vise and pipe bender is cast of semi-steel and is in one piece, without rivets, bolts or joints. In the base of body is a shelf for carrying oil can, cutting tools, wrenches and other tools the mechanic may be using. The pipe bender is part of the body itself. It cannot spring nor give.

The legs, made of ¾-inch pipe, are not regularly furnished with this combination, as most users have ¾-inch pipe in stock, which can easily be cut to proper lengths. However, we can and do furnish legs when desired.

The legs are securely fastened to the base by means of machined sockets, with set-screws from the side which can be readily tightened with a common pair of pliers. Because of this method of attaching the legs, the Blake-QS Portable Vise Stand and Pipe Bender can be lifted or moved about from place to place without the legs dropping off.

A Heavy Hinge Pattern Pipe Vise completes the equipment and is a heavy pattern vise, corresponding to the other features of the stand and bender. When desired, this stand may be equipped with a Trickel Pattern Chain Vise. We use an improved process in hardening the vise jaws. They are heat-treated in special carbonizing furnaces for many hours, thus insuring an even hardening, which lessens the possibility of chipping or cracking. Weight, about 40 pounds.

LIST PRICES

K-150 with legs	$24.00
K-150 without legs	20.00
K-155 post with heavy hinged vise	24.00
K-160 with chain vise	30.00

OUR GUARANTEE

In manufacturing the Blake-QS Line of Plumbers' Special Tools, we maintain the strictest possible supervision of both materials and workmanship, to the end that both may be of the highest grade and in keeping with our standard of quality. Therefore our entire line is guaranteed against defective material and workmanship.

The Blake-QS Portable Vise Post and Pipe Bender

The Blake-QS Portable Vise Post and Pipe Bender is a most useful and convenient device for plumbers' and electricians' use.

Is Easily Set Up Anywhere

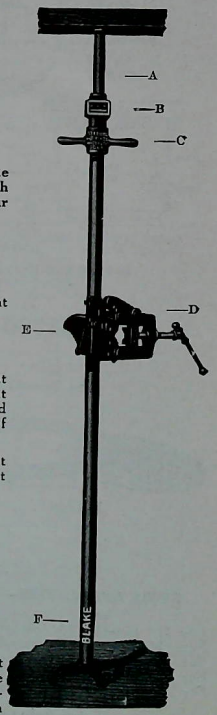
When finishing a house, hotel, apartment building or any construction job of that character, place a block of wood or small board under F, so as to not mar the floor, put another block at the top (A) to protect the ceiling or door jamb. Set the three-legged foot on the (F) board, extend the inner pipe at (A) to the top board, and a few turns of the handle (C) will tighten the post in place so that it will be rigid.

By using the Blake-QS Portable Vise Post and Pipe Bender right on the job, it is not necessary to establish a temporary shop in some part of the building, thus saving a great deal of time and effort.

Construction

A—Extension tube with solid cast pointed head.
B—Automatic lock with tool steel grip bar.
C—Screw tension handle for tightening post in position.
D—Hinge pattern vise with specially hardened steel jaws.
E—Pipe bender, capacity ¾-inch pipe.
F—Malleable iron, three-legged base.

Due to the fact that the pipe bender (E) is so constructed that conduit can be bent to a 90-degree angle without the conduit hitting the floor, this vise post is also invaluable to electricians. The vise and bender may be elevated or lowered on the post to whatever height is most convenient for the operator. The vise capacity being from ⅛-inch to 2-inch pipe, the bender holding up to ¾-inch pipe, gives an ample leeway in size range.



K-155

K-160

The Blake-QS Portable Vise Post and Pipe Bender

(Continued)

Specifications

No. K-155—Blake-QS Portable Vise Post and Pipe Bender equipped with hinge pattern vise. Weight, about 38 pounds.

No. K-160—Blake-QS Portable Vise Post and Pipe Bender equipped with our Trickel pattern chain vise. Weight, 35 pounds.

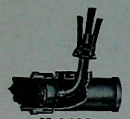
LIST PRICES OF REPAIR PARTS FOR VISE POSTS AND STANDS

	K-150	K-155	K-160
Complete Vise, including Base Block	$10.00	$.....	$.....
Complete Vise Without Base Block	9.00	.....	.....
Complete Vise, including Pipe Bender	.....	10.00	10.00
Hinged Complete Vise Without Pipe Bender	.....	9.00	.....
Vise Jaws, per set of 3	3.00	3.00	.....
Vise Jaws, Single	1.00	1.00	.....
Steel Automatic Grip Bar Only	.....	1.00	1.00
Extension Inner Tube with Solid Pointed Head	.....	2.00	2.00
Outer Tube	.....	3.50	3.50
Bottom Crow Foot	.....	.80	.80
Vise Pipe Bender Body	.....	1.50	.....
Vise Screw Handle and Knob for Hinge Vise	2.50	2.50	.....
Movable Jaw Clamp for Hinge Vise	.40	.40	.....
Vise Yoke for Hinge Vise	2.00	2.00	.....
Vise Screw Only for Hinge Vise	1.50	1.50	.....
Handle and Knobs Only for Hinge Vise	1.00	1.00	.....
Vise Hook Latch for Hinge Vise	.50	.50	.....
Vise Base Block for Hinge Vise	1.60	1.60	.....
Vise Bolts, each	.20	.20	.....
Jaw Bolts	.16	.16	.....
Bolt for Vise Latch Dog	.14	.14	.....
Leg Sockets, each	1.00	.....	.....
Tension Screw Handle and Frame for Setting Post Solid—No Grip Bar	.....	1.70	1.70
Tension Head and Steel Grip Bar, Complete	.....	2.50	2.50
Chain Vise, Complete	.....	.....	9.00
Trickel Pipe Jaw Rollers, per set of 2	.....	.....	2.00
Single Rollers, as above	.....	.....	1.00
Vise Chain	.....	.....	2.00
Screw Tightening Handle for Chain Vise	.....	.....	2.00
Yoke for Fastening Pt. to other Pt. or Tree	.....	.....	2.50
Yoke Chain for Fastening to other Pt. Tree	.....	.....	1.50
Chain Dog or Clamp for Above	.....	.....	.60
Cast Iron Wedge for Post Chain	.....	.....	.50
Vise Post Top	.....	.25	.25

NOTE: The vise posts shown on these pages are the most universally used tools of this kind in use. They are made strong and sturdy and will last for years. The vise used is of our own manufacture, and all parts are made of the finest malleable iron and tool steel. Many jobbers have discovered by keeping one of these fine tools in a conspicuous place in their city desk room that many sales can be made, resulting in a nice profit to themselves and a great measure of satisfaction and time-saving to the user.

Hy-Tech Products

Blake Patented Lightning Test Plug



K-1400

With this style plug and a Blake Test Tee caulked in on each story, a test can be made separately which will show a great saving.

Using a Blake Test Tee in attic, final test can be made and avoid going out on roof and carrying extension ladder to and from the job.

Size	Weight	Size	Weight
2-inch	5¼ lbs.	5-inch	8 lbs.
3-inch	6 lbs.	6-inch	10 lbs.
4-inch	7½ lbs.		

This device has a great advantage over any other Test Plug made, as you will see by the illustration.

K-1420

Size	Weight	Size	Weight
2-inch	4¼ lbs.	5-inch	8 lbs.
3-inch	6¼ lbs.	6-inch	10¼ lbs.
4-inch	6¾ lbs.		

Blake Patented Lightning Double Test Plug

K-1440

A practical, durable and time-saving plug. Fully guaranteed.

Size	Weight	Size	Weight
2-inch	9½ lbs.	5-inch	16 lbs.
3-inch	12½ lbs.	6-inch	20 lbs.
4-inch	13 lbs.		

By using this Test Plug you will do away with all inconveniences, such as hunting for a handle.

K-1460

Size	Weight	Size	Weight
2-inch	9½ lbs.	5-inch	16 lbs.
3-inch	13 lbs.	6-inch	20 lbs.
4-inch	13½ lbs.		

LIST PRICES

	2-Inch	3-Inch	4-Inch	5-Inch	6-Inch
K-1400	$3.50	$3.80	$4.00	$ 5.30	$ 6.00
K-1420	3.30	3.60	3.80	5.10	5.80
K-1440	6.80	7.40	8.00	10.50	11.00
K-1460	7.20	8.00	8.60	10.70	11.50

REPAIR LIST FOR LIGHTNING TEST PLUGS

Malleable Handle for all styles, 2 to 6-inch, per set	$ .60
Wrought Iron Rivet for all sizes of handles	.04
Cast Tapped Handle Block	
⅜-inch Pipe Tap for 2-inch single straight and curved styles	$ .40
⅜-inch Rod—Upper Handle Block for Lower Plug	.40
½-inch Pipe Tap—Lower Handle Block for Upper Plug	.40
Flange Sleeve—Iron Pipe	
For 2-inch single straight and curved styles	$ .25
For outside handles of all double styles	.25
3 to 6-inch sizes, single straight and curved styles, and all inside handles of all double styles	.25
Straight Sleeve—Iron Pipe	
For 2-inch single straight and curved styles	$ .18
For outside handle of all double styles	.18
3 to 6-inch single straight and curved styles	.18
3 to 6-inch inside handle of all double styles	.18
Curved Cast Sleeve	
For 2-inch single curved style	$ .28
For 3-inch single curved style	.34
For 4 to 6-inch single curved style	.39
Ring Plate—Tapped	
For 2-inch single straight and curved styles	$ .22
For 3-inch single straight and curved styles	.34
For 4-inch single straight and curved styles	.50
For 5-inch single straight and curved styles	.62
For 6-inch single straight and curved styles	.72
For 2-inch double straight style lower plug	.22
For 3-inch double straight style lower plug	.34
For 4-inch double straight style lower plug	.50
For 5-inch double straight style lower plug	.62
For 6-inch double straight style lower plug	.72

Repair List Continued on next page.

REPAIR LIST FOR LIGHTNING TEST PLUGS—(Continued)

Ring Plate—Tapped—(Continued)	
For 2-inch double curved style lower plug	.30
For 3-inch double curved style lower plug	.34
For 4-inch double curved style lower plug	.50
For 5-inch double curved style lower plug	.62
For 6-inch double curved style lower plug	.72
For 2-inch double curved style upper plug	.30
For 3-inch double curved style upper plug	.34
For 4-inch double curved style upper plug	.50
For 5-inch double curved style upper plug	.62
For 6-inch double curved style upper plug	.72
Ring Plate—Plain	
For 2-inch single straight and curved styles	$ .16
For 3-inch single straight and curved styles	.28
For 4-inch single straight and curved styles	.45
For 5-inch single straight and curved styles	.56
For 6-inch single straight and curved styles	.67
For 2-inch double straight style lower plug	.16
For 3-inch double straight and curved styles lower plug	.28
For 4-inch double straight and curved styles lower plug	.45
For 5-inch double straight and curved styles lower plug	.56
For 6-inch double straight and curved styles lower plug	.72
For 2-inch double straight style upper plug	.16
For 3-inch double straight and curved style upper plug	.28
For 4-inch double straight and curved style upper plug	.45
For 5-inch double straight and curved style upper plug	.56
For 6-inch double straight and curved style upper plug	.72
Rubber Rings	
For all 2-inch styles	$ .50
For all 3-inch styles	.67
For all 4-inch styles	.78
For all 5-inch styles	.90
For all 6-inch styles	1.12
Straight Long Thread Pipe for Straight Test Plug	
For 2-inch single style, 9 inches long	$ .34
For 3 to 6-inch styles, 15½ inches long	.56
For 3 to 6-inch double style, 15½ inches long	.56
Straight Connection Pipe	
For 2-inch double straight style, plain threads, 5½ inches long	$ .34
For 3-inch double straight style, plain threads, 6 inches long	.45
For 4-inch double straight style, plain threads, 8½ inches long	.56
For 5-inch double straight style, plain threads 9½ inches long	.67
For 6-inch double straight style, plain threads, 11 inches long	.78
Curved Long Thread Pipe	
For 2-inch single curved style, 12 inches long	$ .78
For 3 to 6-inch single curved style, 15½ inches long	.90
For 4-inch double curved style, 8½ inches long	.67
For 5-inch double curved style, 9¼ inches long	.78
For 6-inch double curved style, 10 inches long	.90
Long Thread Rod with ⅜-inch Nut and Washer	
For 2-inch double straight style, 26 inches long	$ .67
For 3-inch double straight style, 28 inches long	.70
For 4-inch double straight and curved styles, 30 inches long	.72
For 5-inch double straight and curved styles, 32 inches long	.72
For 6-inch double straight and curved styles, 32 inches long	.72

—NOTE—

In the following pages we illustrate our line of Miscellaneous Quality Staple Fittings, none of which should be compared to similar inferior products constantly finding their way onto the market as a price proposition.

Where price is the only consideration, quality fades out, and all incentive for better plumbing is destroyed.

LET US BUILD UP—NOT TEAR DOWN!

Hy-Tech Products

K-1020 and K-1026—Blake Cast Brass Strainers and Rims

K-1020

Size	Weight
For 2-inch Round Drain	4¼ lbs.
For 3-inch Round Drain	5½ lbs.
For 4-inch Round Drain	10 lbs.

HINGED

Made to fit our various designs of Floor Drains

Specify Size of Drain

K-1026

Size	Weight
For 2-inch Square Drain	8 lbs.
For 3-inch Square Drain	10 lbs.
For 4-inch Square Drain	20 lbs.

Strainers and rims cover the entire top of drain, and are cast with soft brass lugs to fit over flange of drain. Lugs can be bent under the drain flange to hold rim securely to the fixture. Furnished in polished brass, nickel-plated or chromium-plated. All of above strainers are now furnished regularly with hinge.

The above brass covers and rims are adapted to our floor drains K-202, K-310, K-460, K-900, K-950, K-1014 and K-1010. Specify when wanted for K-1006, as extra cover is needed to cover the cleanout also. Price will be slightly advanced as shown under K-1006.

LIST PRICES

K-1020—For Round Drains

Size	Rough Brass	Polished Brass	Same with Nickel Plating	Same with Chromium Plating
2-inch	$ 4.40	$ 5.00	$ 6.30	$ 7.00
3-inch	6.30	7.50	9.45	10.50
4-inch	10.50	10.00	13.60	14.00

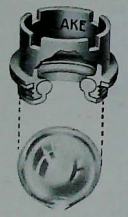
LIST PRICES

K-1026—For Square Drains

Size	Rough Brass	Polished Brass	Same with Nickel Plating	Same with Chromium Plating
2-inch	$ 8.00	$ 9.50	$11.00	$12.50
3-inch	10.00	12.00	13.75	15.75
4-inch	18.00	21.00	23.50	26.00

K-500—Blake Brass Improved Blasco Back Water Valves

With Glass or Copper Floats for Floor Drains



K-500

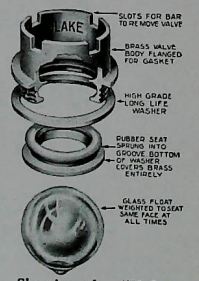
Complete Valve Assembled

The most perfect seating valve. A simple back water valve for installation in any of our floor drains. Is positive in action and float can not stick. By screwing these into a plain drain, the back water protection is attained in a few minutes, even after the drain has already been installed. Rubber seats are sprung in and cover the entire bottom of valve—they cannot spring out under pressure of back water.

Glass floats are especially recommended, as they are far superior to the old copper float, because they have no seams—they always seat the same and have a perfect smooth round surface—they do not corrode—they do not become dented—they float perfect, and when once installed will last the life of the building.

Acid has no effect on them. Glass floats are not easily broken, but ordinary care should be exercised in handling.

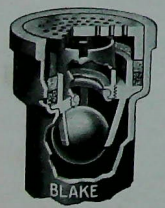
We will ship glass floats unless copper are specified.



Showing the "Make-up" of Valve

LIST PRICES

Size	Complete	Valve Body With Rubber —No Ball	Glass or Copper Float	Brass Body Only	Rubber Seat
2-inch to fit 2-inch drain	$1.70	$1.20	$ .60	$ .90	$ .30
2½-inch to fit 3-inch drain	2.50	1.80	.90	1.40	.40
3-inch to fit 4-inch drain	3.00	2.50	1.00	2.00	.50



K-552

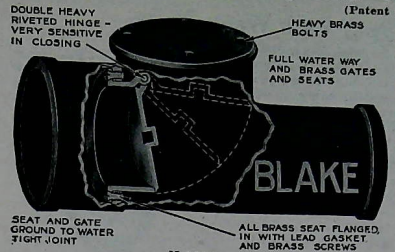
K-552—Blake Back Water Valve for Caulking Into Soil Pipe Hub

Made for 4-inch pipe only. This is our Blasco Valve arranged to caulk into hub. We do not furnish the hub. The fork at bottom keeps float from getting away, yet permits lint, straw, etc., to pass on through.

Furnished complete, with grate and float ball—list price.....$5.20

K-1170—Blake Improved "Palmer Type" Back Water Trap

(Patent Applied For)

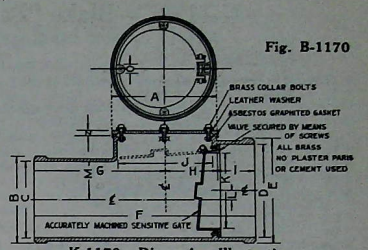


K-1170

Furnished with Boled Cover Only

Nothing to compare with this. Entire inside trimmings of brass and forced in with lead gasket and bolted. Can never become loose or leak. Made to fit either extra heavy or standard soil pipe. Water way is full, and cover is fastened with square head brass bolts.

Fig. B-1170



K-1170—Dimension Illustration

LIST PRICES—WITH IRON COVER

Size	Price	Weight
2-inch	$ 4.80	9 lbs.
3-inch	6.00	15 lbs.
4-inch	6.50	22 lbs.
5-inch	13.00	35 lbs.
6-inch	15.00	42 lbs.
8-inch	28.00	58 lbs.

Measurements of K-1170, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

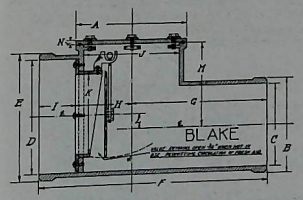
Waste	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2-inch	3¾	2¾	2	3⅜	4⅛	11	6 1/16	2	2 1/16	3 1/16	2	⅜	3	⅜	½
3-inch	5⅛	3¾	3	4⅜	5⅛	13	7 11/16	2¾	2 1/16	4⅜	3	⅝	3⅝	⅜	½
4-inch	6¼	4¾	4	5⅜	6⅛	14½	8 3/16	3¼	2⅞	5½	4	⅝	4¼	⅜	½
5-inch	7⅜	5¾	5	6⅜	7⅛	16	9 5/16	3 11/16	2⅞	6½	5	⅝	4¾	⅜	⅝
6-inch	8¼	6¾	6	7⅜	8⅛	17½	10 3/16	4⅛	3	7½	6	11/16	5⅛	⅜	⅝
8-inch	10½	8¾	8	9⅜	10⅜	20½	11¾	5	3½	9½	8	⅝	6½	½	¾

REPAIR PARTS

Size of Drain	Complete Brass Valve	Brass Flaps Only	Covers Only	Brass Cover Bolts	Gaskets
2-inch	$1.50	$ .80	$ .40	$ .25	$ .20
3-inch	2.00	1.00	.50	.25	.25
4-inch	2.50	1.50	.75	.25	.30
5-inch	3.60	2.00	.90	.35	.40
6-inch	4.80	2.60	1.00	.35	.50
8-inch	7.00	4.00	2.00	.35	.60

K-1170A—Blake Improved "Palmer Type" Back Water Valve

Government Treasury Type—Bronze Inside Trimming



K-1170A

This is identically the same body as our K-1170 and all measurements are the same, but the valve is of a different construction, to conform with Government Treasury specifications. This valve remains open normally to permit fresh air circulation and the disc or flapper is hung so it rotates. Heavy brass bolts are used on the cover. Bronze screw plug cover can also be furnished. Body is arranged to permit of full opening.

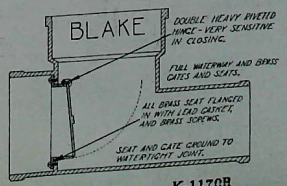
LIST PRICES

Size	With Bolted Cover	With Brass Screw Plug Cover
2-inch	$10.00	$16.50
3-inch	12.50	19.50
4-inch	17.50	24.00
5-inch	26.00	40.00
6-inch	30.00	44.00
8-inch	50.00	66.00

Weights are the same as for K-1170 or K-1170C.

K-1170B—Blake Improved "Palmer Type" Back Water Trap

With Hub at Top for Extension



K-1170B

This is the same pattern as K-1170, with the exception of Hub opening at top instead of bolted cover.

To make an extension piece to caulk into the top hub on the K-1170B, we suggest that you use our K-1522 Cleanout, which has a full opening and a brass screw plug cover with short piece of soil pipe.

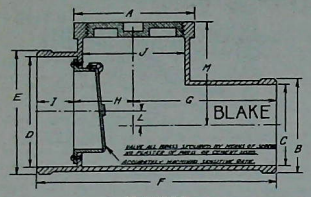
LIST PRICES AND SIZES

	3-in.	4-in.	5-in.	6-in.	8-in.
K-1170B	$9.00	$10.00	$18.00	$20.00	$40.00

Hy-Tech Products

K-1170C—Blake "Palmer Type" Back Water Valve

With Brass Screw Plug Cover



K-1170C

This represents another variation from type K-1170. The same iron bodies are used, but the top is arranged with a heavy brass screw plug cover furnished in either raised or countersunk head, but always furnished countersunk unless otherwise specified. All dimensions are the same as for K-1170.

LIST PRICES

Size	Price	Weight
2-inch	$ 8.80	9 lbs.
3-inch	10.30	15 lbs.
4-inch	15.40	22 lbs.
5-inch	22.20	35 lbs.
6-inch	25.80	42 lbs.
8-inch	42.00	58 lbs.

K-1180—Blake "Palmer Type" Sewer Valves

For Tile Pipe or Soil Pipe—Made in Brass Only

Faced to a perfect tight joint. Sizes 2, 3, 4, 5, 6 and 8-inch.
Weight of 4-inch size, 2⅛ pounds. Weight of 6-inch size, 3 pounds

K-1180

LIST PRICE

Size	Complete	Flapper Only	Size	Complete	Flapper Only
2-inch	$2.40	$1.70	5-inch	$4.80	$3.30
3-inch	2.90	1.90	6-inch	6.60	4.20
4-inch	3.20	2.40	8-inch	9.60	6.00

Blake Gas Vent Tees and Ells

(PATENTED)

Phantom View of K-2650, showing Inside Deflector

K-2650

K-2655

K-2660

K-2665

Here is a fitting that should be used in connection with vent pipe of every gas stove, as the condensation and rain water is deflected and carried down through drip opening, preventing rusty ovens and soiled walls. The deflector also prevents smoke pipe from being shoved in too far and shutting off draft.

K-2650 has the drip tapping, while K-2655 is used on upper floors in flats, duplexes, etc., and drains down through K-2650 fitting. The 45 and 90 degree ells are for use where a straight line cannot be maintained.

Fittings are made for 3 or 4-inch smoke pipe and connecting hubs can be had for 3-inch iron pipe, either to screw or caulk, or hubs can be furnished for 3 or 4-inch soil pipe.

Average weight of tee in 3-inch hub size, 6 lbs.
Average weight of ells in 3-inch hub size, 4½ lbs.
Average weight of tee in 4-inch hub size, 10 lbs.
Average weight of ells in 4-inch hub size, 7½ lbs.

LIST PRICE

K-2650 and K-2655 Gas Vent Tees

To Caulk 3-inch Wrought Iron Pipe, and for either 3 or 4-inch Smoke Pipe	$1.40
To Screw 3-inch Wrought Iron Pipe, and for either 3 or 4-inch Smoke Pipe	1.50
To Caulk 3-inch Soil Pipe, either 3 or 4-inch Smoke Pipe	1.60
To Caulk 4-inch Soil Pipe, either 3 or 4-inch Smoke Pipe	1.70
To Caulk 4-inch Soil Pipe and Smoke Pipe, 4-inch Soil Pipe Hub—Akron Code	2.00

K-2660 and K-2665 Gas Vent Ells

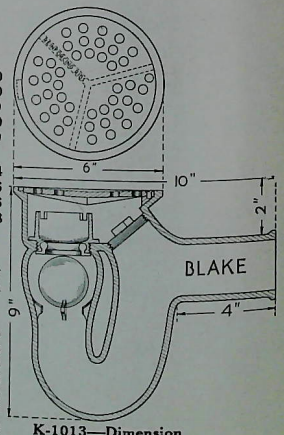
To Caulk 3-inch Wrought Iron Pipe	$1.54
To Screw 3-inch Wrought Iron Pipe	1.66
To Caulk 3-inch Soil Pipe	1.66
To Caulk 4-inch Soil Pipe	1.88

K-1013—Blake New Yorker Floor Drain

Made in 2-inch size only. Here is a little drain that has all the features and efficiency of the larger types. While its strainer diameter is smaller, the combined inlet is more than the outlet.

LIST PRICES

K-1013—2-inch—6-inch dia.—Plain	$1.30
K-1013—2-inch—6-inch dia.—With back water valve	3.00
K-1013—2-inch—6-inch dia.—Add for galvanized	1.00
K-1013—2-inch—6-inch dia.—Add for pol. brass rim and hinged strainers	3.50
K-1013—2-inch—6-inch dia.—Add for N. P. strainer and rim	4.10
K-1013—2-inch—6-inch dia.—Water seal	3-inch
K-1013—2-inch—6-inch dia.—Add for chrome plating strainer and rim	4.80
Weight	12 lbs.



K-1013—Dimension Illustration

K-310—Blake Open Trap Deep Seal Floor Drain

Equipped with New Lock Style Strainer
Made in Plain and Back Water—Sizes 2, 3 or 4-inch

K-310

These drains have a 4-inch water seal, and bowl at inlet to trap is tapped for iron pipe for plain drains, while those for back water are equipped with heavy copper or glass balls, Blasco valves, as shown on page 22, which insure perfect and positive action. Projecting pins in trap keep ball from going through. Full waterway throughout. Cleanout plugs can be removed with any wrench. Strainers for the 2, 3 and 4-inch sizes are reinforced. Specify if outlet is to be tapped for iron pipe. Can furnish polished brass, nickel-plated or chromium plated brass strainers and rims to cover entire top.

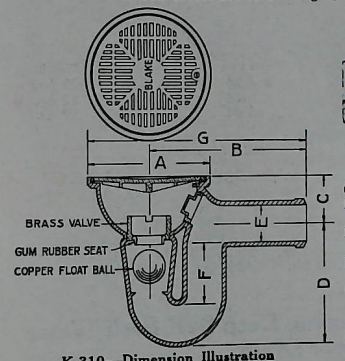
Specify size and whether plain or back water.

LIST PRICES

Size Outlet Inches	Plain Regular	Back Water Regular With Blasco Valve	Plain Drain Galv.	Plain Drain With Pol. Brass Top	Plain Drain With N. P. Top	Plain Drain With Chrome Plated Top	Weight
2-inch	$ 2.70	$ 4.40	$ 5.70	$ 7.70	$ 9.00	$ 9.70	18 lbs.
3-inch	7.50	10.00	12.70	15.00	16.95	18.00	35 lbs.
4-inch	10.00	13.00	15.20	20.00	23.60	24.00	53 lbs.

If drains are with iron pipe tapped outlets, add to above lists as follows:
2-inch..... .60 3-inch.....$1.20 4-inch.....$2.00

If iron covers are to be hinged, add $2.00 to above lists.



K-310—Dimension Illustration

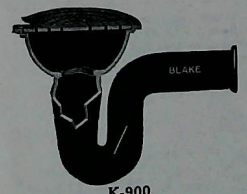
Measurements of K-310, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F	G
2-inch	8¼	10½	3½	7¼	2	4	14¾
3-inch	10	12¾	4	9	3	4	18
4-inch	12½	15½	4½	14½	4	4	21½

LIST PRICES FOR GRATES ONLY FOR K-310

	SIZES OF DRAIN 2	3	4
Cast Iron Grates Only	$ .50	$1.00	$2.00
Rough Brass Grates Only (Same as Iron Pattern)	2.00	3.50	6.50
Polished Brass Grates Only (Same as Iron Pattern)	2.70	4.80	8.50
Nickel-Plated Grates Only (Same as Iron Pattern)	3.20	5.80	9.80
Chromium Plated Brass Grates only (Same as Iron Pattern)	4.40	7.80	12.30
Malleable Strainers	1.00	2.00	4.00
Diameter of Strainers	7¼"	9"	11¼"
Weight of Strainers	1¾ lbs.	3¾ lbs	5¾ lbs.



K-900
Specify whether Plain or Back Water

K-900—Blake Open Trap Deep Seal Floor Drain with New Style Lock Strainer, Reinforced

This drain is designed to meet requirements where no cleanout plug is permitted or desired.

It has a full 4-inch water seal, and inlet to trap in bottom of bowl is tapped for iron pipe, so a regular iron pipe plug can be used for testing, which at the same time serves to keep trap clear of cement during construction. Made in 2, 3 and 4-inch sizes. Outlet end can be furnished for iron pipe connection if desired.

Specify size, and whether plain or back water.

LIST PRICES

Size Outlet Inches	Plain Regular	Back Water Regular With Blasco Valve	Plain Drain Galv.	Plain Drain With Pol. Brass Top	Plain Drain With N. P. Top	Plain Drain With Chrome Plated Top	Weight
2-inch	$ 2.70	$ 4.40	$ 5.70	$ 7.70	$ 9.00	$ 9.70	18 lbs.
3-inch	7.50	10.00	12.70	15.00	16.95	18.00	35 lbs.
4-inch	10.00	13.00	15.20	20.00	23.60	24.00	53 lbs.

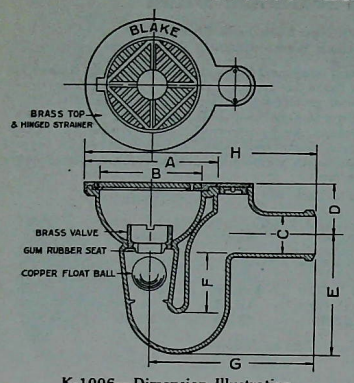
If drains are with iron pipe tapped outlets, add to above lists as follows:
2-inch..... .60 3-inch.....$1.20 4-inch.....$2.00

If iron covers are to be hinged, add $2.00 to above lists.

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products

K-1006—Blake Deep Seal Floor Drain



K-1006—Dimension Illustration
Style 2, 3 and 4-inch Sizes—Plain or Back Water

This type drain is known as the Cedar Rapids code drain and is demanded in a great many sections of the country.

Brass cleanouts are on floor level, of 1½-inch iron pipe size, with countersunk head.

Made in 2, 3 and 4-inch sizes. All have a full four-inch water seal.

Plain drains are tapped in base of bowl.

Back water drains are equipped with our well known Blasco valve.

Outlets can be tapped for iron pipe, and tops covered with brass strainer and rim.

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F	G	H
2-inch	8½	7⅜	2	3¼	7¼	4	10½	14½
3-inch	10⅝	8	3	4	9	4	13	18⅜
4-inch	13	9¾	4	4½	11½	4	15	21½

LIST PRICES

State Size Outlet	Plain Regular	Back Water Regular With Blasco Valve	Add to List For Galvanized	Add to List For Hinged Pol. Brass Strainer and Rim	Add to List for Nickel Plated Strainer and Rim	Add to List For Chrome Plated Strainer and Rim	Weight
2-in.	$ 2.70	$ 4.40	$ 2.40	$ 5.00	$ 6.30	$ 7.00	20 lbs.
3-in.	7.50	10.00	5.60	7.50	9.45	10.50	37 lbs.
4-in.	10.00	13.00	8.40	10.00	13.60	14.00	58 lbs.

LIST PRICES OF GRATES ONLY

	SIZE OF DRAINS 2-in.	3-in.	4-in.
Cast iron, grates only	$ .50	$1.00	$2.00
Rough brass, grates only (same as iron pattern)	2.20	3.75	7.00
Polished brass, grates only (same as iron pattern)	3.00	4.50	8.50
Nickel plated, grates only (same as iron pattern)	3.80	5.80	10.20
Chrome plated, grates only (same as iron pattern)	4.00	6.00	10.50
Diameter of strainers	7¼-in.	9-in.	11¼-in.
Weight of strainers	2 lbs.	3½ lbs.	6½ lbs.

K-1010
Specify whether Plain or Back Water

K-1010—Blake Re-Sealing Deep Seal Back Water Floor Drain

This drain was originally made to conform to the city code of Minneapolis. The large chamber permits float to rotate and scour while flushing, and is provided with a machined seat in bottom of chamber for float to re-seal trap in case of evaporation of water seal, or if trap should be siphoned by rain leaders. Water seal is 4 inches, and spigot is long for each caulking. Brass cleanout plug is 1½-inch iron pipe size.

LIST PRICES

State Size Outlet	Plain Regular	Back Water Old Style or Blasco	Add to List For Galvanized	Add to List For Hinged Pol. Brass Strainer and Rim	Add to List For Hinged Nickel Plated Strainer and Rim	Add to List For Chrome Plated Strainer and Rim	Weight
2-in.	$ 2.70	$ 4.40	$ 3.00	$ 5.00	$ 6.30	$ 7.00	22 lbs.
3-in.	5.30	7.80	5.40	7.50	9.45	10.50	37 lbs.
4-in.	9.00	12.00	8.40	10.50	13.60	14.00	58 lbs.

LIST OF GRATES ONLY

SIZES OF DRAIN—	2	3	4
Cast Iron Grates only	$ .50	$1.00	$2.00
Rough Brass Grates only (Same as Iron Pattern)	2.20	3.75	7.00
Polished Brass Grates only (Same as Iron Pattern)	3.00	4.50	8.50
Nickel-Plated Grates only (Same as Iron Pattern)	3.80	5.80	10.20
Chromium Plated Brass Grates only (Same as Iron Pattern)	4.00	6.00	10.50
Diameter of Strainers	7¼"	9"	11¼"
Weight of Strainers	2 lbs.	3½ lbs.	6½ lbs

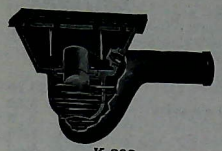
OLD STYLE BACK WATER VALVE PARTS

SIZES OF DRAIN—	2	3	4
Sand Arrester Rings	$ .30	$ .40	$ .50
Screws for Rings, each	.06	.06	.06
Rubber Valve Seats	.50	.60	.65
Copper Balls	.60	.90	1.00

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

K-202—Blake Junior Floor Drain

Either Plain or Back Water—Spigot or Iron Pipe Outlet

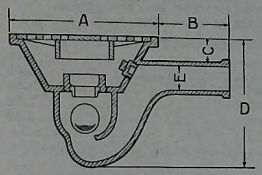


K-202
Specify Whether Plain or Back Water

Special Features: Extra heavy construction, with large grate surface, fresh air inlet, easy access to cleanout, long spigot for caulking and full waterway throughout.

Size	Top	Depth	Seal	Weight
2-inch	11¼x11¼	9	3½-inch	32 lbs.
3-inch	12 x12	12½	4 -inch	52 lbs.
4-inch	17 x17	16	5 -inch	100 lbs.

Specify size, whether plain or back water, and when outlet is to be tapped for iron pipe. Any of the above drains furnished with polished brass or nickel-plated strainer and rims if so ordered.



K-202—Dimension Illustration

Measurements of K-202, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

Size	A	B	C	D	E
2-inch	11¼x11¼	5¼	2	9	2
3-inch	12 x12	7¾	2	12½	3
4-inch	17 x17	7¾	2	16	4

LIST PRICES

State Size Outlet	Plain Regular	Back Water Regular With Blasco Valve	Add to List For Galvanized Drain	Add to List For Polished Brass Strainer and Rim	Add to List For Nickle Plated Strainer and Rim	Add to List For Chrome Strainer and Rim	Weight
2-inch	$ 6.50	$ 8.20	$ 4.40	$ 6.50	$13.70	$15.40	32 lbs.
3-inch	11.50	14.00	7.80	10.80	17.20	19.70	52 lbs.
4-inch	20.00	23.00	14.40	15.00	29.30	32.50	100 lbs.

Add $2.00 to list price if cover is to be hinged.
If outlet is to be tapped for iron pipe, add to list price, 2-in. 60c; 3-in. $1.20; 4-in. $2.00.

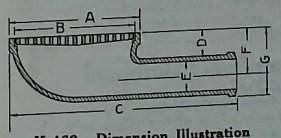
LIST PRICES OF GRATES ONLY

	SIZES OF DRAIN 2	3	4
Cast Iron	$2.00	$ 3.00	$ 5.50
Rough Brass (Same as Iron pattern)	9.00	12.00	25.00
Polished Brass (Same as Iron pattern)	10.00	13.50	28.00
Nickel-Plated Brass (Same as Iron pattern)	10.60	14.50	30.00
Chromium Plated Brass (Same as Iron pattern)	12.50	17.00	33.00
	SIZES OF DRAIN 2	3	4
Diameter of Strainers	9¾"	10¼"	14½"
Weight of Strainers	7¾ lbs.	10 lbs.	23½ lbs.

K-460

K-460—Blake Area-Way Drains

In sizes, 2, 3, and 4-inch. Excellent for drainage of areaways, garage floors, warehouses, elevator pits, etc., into main traps. Very shallow. Strainers reinforced and interchangeable with any of our other drains. Long spigot for easy caulking.



K-460—Dimension Illustration

Measurements of K-460, given below, are subject to ¼-inch variation.

SIZES AND DIMENSIONS

Outlet	A	B	C	D	E	F	G
2-inch	8½	7½	15	1¾	2	2¾	4½
3-inch	10½	9¼	18	2¼	3	4¼	6¼
4-inch	12½	11½	20½	2¼	4	4¼	6¾

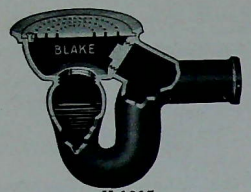
LIST PRICES

State Size Outlet	Plain Regular	Drain Galvanized	Drain With Polished Brass Strainer and Rim	Drain With Nickel Plated Strainer and Rim	Drain With Chrome Plated Strainer and Rim	Weight
2-inch	$2.00	$3.20	$7.00	$8.30	$9.00	8½ lbs.
3-inch	5.00	8.60	12.50	14.45	15.50	23 lbs.
4-inch	6.80	12.80	16.80	20.40	20.80	40 lbs.

If outlet is to be tapped for iron pipe, add to list price, 2-in. 60c; 3-in. $1.20; 4-in. $2.00.

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE.

Hy-Tech Products



K-1015
Size 2-inch Only—Specify whether Plain or Back Water

K-1015—Blake Drain in Plain or Back Water

Here is a neat serviceable little drain at a low price. It has every feature of our K-310 and is the same design but somewhat smaller, and also more shallow in water seal. Total top measurement is 7¾ inches, and total depth is 9¼ inches. Water seal is 3 inches. Total length, 13¾ inches.

LIST PRICES

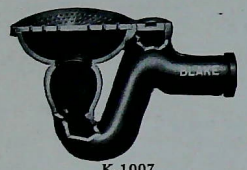
K-1015—2-inch—Plain regular	$2.10
K-1015—2-inch—Back water regular, with blasco valve	3.80
K-1015—2-inch—Plain drain, galvanized	4.10
K-1015—2-inch—Plain drain with polished brass top	7.10
K-1015—2-inch—Plain drain with nickel-plated top	8.40
K-1015—2-inch—Plain drain with chrome plated top	9.10

Weight, 15 lbs.
If outlet is to be tapped for iron pipe, add to above list, 60c.
If iron strainer is to be hinged, add $2.00 to above list.

LIST PRICES OF GRATES ONLY

Cast iron grate	$ .40
Rough brass grate (same as iron pattern)	2.00
Polished brass grate (same as iron pattern)	2.50
Nickel-plated brass grate (same as iron pattern)	3.20
Chromium plated brass (same as iron pattern)	3.50
Weight of grate	1¼ lbs.
Diameter of grate	6½-in.

ALL BLAKE DRAINS CAN BE ARRANGED FOR A PHILLIPS TRAP SEAL VALVE



K-1007
Specify whether Plain or Back Water

K-1007—Blake Floor Drain

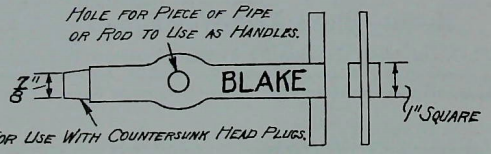
This is a small drain made in the two-inch size only. It has a 2½-inch water seal. The drain is 14½ inches in length, has an 8-inch top and an 1½-inch surface cleanout with countersunk head. The overall depth of the drain is 8½ inches. The outlet can be tapped for iron pipe and top covered with a brass rim and strainer.

LIST PRICES

K-1007—2-inch—Plain, regular	$2.40
K-1007—2-inch—Back water regular with blasco valve	4.40
K-1007—2-inch—Add to list for galvanized	2.40
K-1007—2-inch—Add to list for hinged polished brass str. and rim	5.00
K-1007—2-inch—Add to list for N. P. strainer and rim	6.30
K-1007—2-inch—Add to list for chrome plated str. and rim	7.00
K-1007—Weight	15 lbs.

LIST PRICES OF GRATES ONLY

Cast iron grates only	$ .50
Rough brass grates only (same as iron pattern)	2.00
Polished brass grates only (same as iron pattern)	3.00
Nickel plated grates only (same as iron pattern)	3.80
Chromium plated brass grates only (same as iron pattern)	4.00
Diameter of strainers	7¼-in.
Weight of strainers	2 lbs.

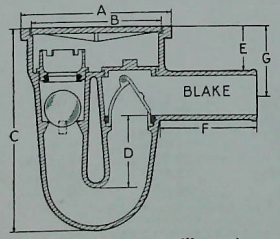


K-154G—Dimension Illustration

BLAKE COMBINATION TOOL FOR REMOVING BLASCO BACK WATER VALVES AND COUNTERSUNK CLEANOUT PLUGS FROM FLOOR DRAINS

A very handy tool. One end suitable to fit countersunk heads of brass plugs, the other end to insert in the notches of our Blasco valves.

List price $1.50



K-1014—Dimension Illustration

K-1014—Blake Deep Seal Combined Drain and Trap

Double Protection by Service of 2 Valves

This drain is made in the 2-inch size only. One of the valves is the brass flapper gate type and the other our Blasco valve. Cleanout cover is on inside of bowl.

Sizes and Dimensions

	A	B	C	D	E	F	G
2-inch	8½	7¼	2¼	3½	10½	4	2

LIST PRICES

K-1014—2-inch—Black, with both valves as shown	$10.70
K-1014—2-inch—Black, with brass flapper gate valve only	9.00
K-1014—2-inch—Add for galvanized	3.00
K-1014—2-inch—Add for pol. brass strainer and rim	5.00
K-1014—2-inch—Add for N. P. strainer and rim	6.30
K-1014—2-inch—Add for C. P. strainer and rim	7.00
Weight	20 lbs.

K-950
Sizes 2, 3 and 4-inch
Specify whether Plain or Back Water

K-950—Blake Floor Drain with Straight Outlet—No Trap

Made in Plain or Back Water

This drain is suitable in places where deeper connections with sewer are to be made, and any ordinary soil pipe trap can be used to finish connection and provide water seal.

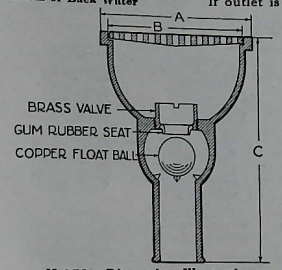
Made in 2, 3 and 4-inch sizes, and in plain or back water.

Can be furnished with polished brass strainers and rims to cover entire top.

LIST PRICES

State Size Outlet	Plain Regular	Back Water Regular With Blasco Valve	Add to List for Galv. Drain	Add to List for Hinged Pol. Brass Strainer and Rim	Add to List for Hinged Nickel Plated Strainer and Rim	Add to List for Hinged Chrome Plated Strainer and Rim	Weight
2-inch	$ 6.00	$ 7.70	$ 2.40	$ 5.00	$ 6.30	$ 7.00	16 lbs.
3-inch	9.60	12.10	2.70	7.50	9.45	10.50	18 lbs.
4-inch	12.00	15.00	3.60	10.00	13.60	14.00	24 lbs.

If outlet is to be tapped for iron pipe, add to list 2-in. 60c; 3-in. $1.20; 4-in. $2.00.



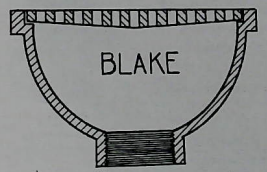
K-950—Dimension Illustration

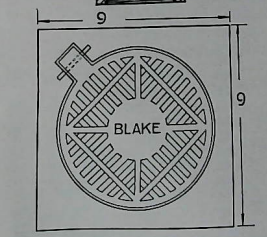
SIZES AND DIMENSIONS

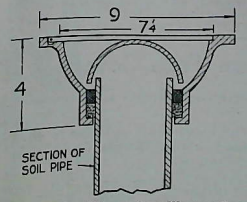
Size	A	B	C
2-inch	8½	7¼	12
3-inch	10	9	12
4-inch	12½	11¼	15

LIST PRICES OF GRATES ONLY FOR K-950

	Sizes of Drain 2-inch	3-inch	4-inch
Cast Iron Grates only	$ .50	$1.00	$2.00
Rough Brass Grates only (same as iron pattern)	2.20	3.75	7.00
Pol. Brass Grates only (same as iron pattern)	3.00	4.50	8.50
Nickel-plated Grates only (same as iron pattern)	3.80	5.80	10.20
Chrom. Plat. Grates only (same as iron pattern)	4.00	6.00	10.50
Diameter of Strainers	7¼"	9"	11¼"
Weight of Strainers	2 lbs.	3½ lbs.	6½ lbs.







K-1016—Dimension Illustration of 9x9 size

K-950A—Blake Round Area-Way Drains with Tapped Bottom Outlet

	List Price	Wt.
2-inch—8½-inch top	$2.40	8½ lbs.
3-inch—10-inch top	4.80	16 lbs.
4-inch—12½-inch top	7.20	22 lbs.

Strainers same pattern and size as for K-310 drains, see page 125.

K-1016—Blake 6x6, 9x9 and 12x12, Special

Extra Heavy Bell Trap with Hinged Strainer

Although we are not in favor of bell traps, this particular pattern is demanded for certain classes of installations.

We can furnish it for inside caulking, as shown, or for screw pipe or spigot end, the price being the same in either case except tapping, see below.

Can also furnish this drain with side outlet at 30% advance in price.

If brass strainers and rims are desired to cover entire top, we can furnish them. Can omit bell if not desired.

Measurements of K-1016, 9x9 size, given on dimension illustration, are subject to ¼-inch variation.

LIST PRICES

State Size Outlet	Size Top of Drain	Regular Cast Iron	Regular Galvanized	All Brass Drain	Add to List For Polished Brass Strainer and Rim	Add to List For Nickel Plated Strainer and Rim	Add to List For Chrome Plated Strainer and Rim
2-inch	6"x 6"	$1.30	$2.20	$6.50	$3.70	$4.70	$5.20
3-inch	9"x 9"	2.50	4.40	13.00	7.50	9.00	10.50
4-inch	12"x12"	5.00	8.50	24.00	15.00	17.00	19.00

If outlet is to be tapped for iron pipe, add to list 2-in. 60c; 3-in. $1.20; 4-in. $2.00.

K-1186—Blake Wallen Drum Trap

Only 4 inches high

K-1186
(Patented)

This drum trap has a seal as deep as a 4x5 trap, but because of its construction the total depth is very shallow, which means ease in installing. Waterway is full. Saves time and is very efficient. Weight, 5½ pounds.

LIST PRICE

Black Drum Trap	$1.40
Black Body Only	.80
Add to list price for galvanized	.60
Solid Brass Body Only	4.00

K-1190—Blake Bath Trap Ell

Roughs-in a 4x5 cast iron drum trap in 7½-inch space, where it requires 9-inch width with 1½-inch street ell connection.

K-1190
Bath Trap Ell

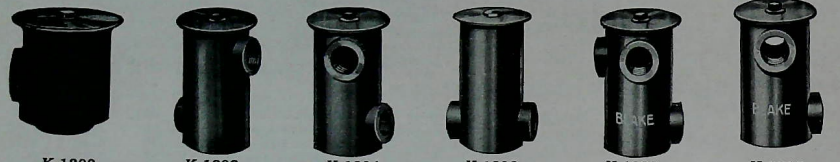
1½-inch tap

Weight, 3½ pounds.

LIST PRICE, Bath Trap Ell ..... $ .80

Blake Cast Iron Drum Traps

L. H. Side Outlet — L. H. Side Outlet



K-1200 4x5 — K-1202 4x 8—2-Hole 4x10—2-Hole — K-1204 4x 8—2-Hole 4x10—2-Hole — K-1206 4x 8—2-Hole 4x10—2-Hole — K-1208 4x 8—3-Hole 4x10—3-Hole — K-1210 4x 8—3-Hole 4x10—3-Hole

K-1212
4x 8—3-Hole
4x10—3-Hole

All drum traps are extra heavy, and upper tapping 1¾ inches below flange of cover to permit of double floors, or opening ¾-inch below flange for those who want deep seal. Specify which is wanted. Opening for cover tapped for 3-inch iron pipe, and faced. Made in 4x5 and 4x8 and 4x10 sizes.

Weight 4x5 trap, 5¼ pounds. Weight 4x8 trap, 9 pounds.
Weight 4x10 trap, 12 pounds.

All our drum traps are furnished regularly with nickel-plated solid brass covers —5 inches wide and with large heads.

K-1214
4x 8—4-Hole
4x10—4-Hole

LIST PRICES

		Black Complete with N. P. Cover	Bodies Only: Black	Galvanized	Solid Brass
K-1200—4x5		$1.40	$ .70	$1.30	$5.00
K-1202—4x8	2-Hole	1.60	.94	1.75	6.80
K-1202—4x10	2-Hole	2.25	1.55	3.05	8.05
K-1204—4x8	2-Hole	1.70	1.00	1.90	6.80
K-1204—4x10	2-Hole	2.25	1.55	3.05	8.05
K-1206—4x8	2-Hole	1.70	1.00	1.90	6.80
K-1206—4x10	2-Hole	2.25	1.55	3.05	8.05
K-1208—4x8	3-Hole	2.00	1.30	2.46	7.46
K-1208—4x10	3-Hole	2.55	1.85	3.65	8.65
K-1210—4x8	3-Hole	2.00	1.30	2.46	7.46
K-1210—4x10	3-Hole	2.55	1.85	3.65	8.65
K-1212—4x8	3-Hole	2.00	1.30	2.46	7.46
K-1212—4x10	3-Hole	2.55	1.85	3.65	8.65
K-1214—4x8	4-Hole	2.30	1.60	3.05	8.06
K-1214—4x10	4-Hole	2.85	2.15	4.25	9.25

If Nickel-Plated Covers are wanted, add to above Bodies ... $ .70
If Rough Brass Covers are wanted, add to above Bodies ... .60
If Chromium Plated Covers are wanted, add to above Bodies ... .80
Add for Countersunk Cover ... .40

K-1226—Blake Extra Heavy Nickel-Plated Drum Trap Covers

K-1226

This represents our Regular Heavy Nickel-Plated Cover shipped with all of our drum traps.

It is full 5 inches wide, so hole in floor don't have to be cut exact in order to cover opening. It has a large hexagon head and entire surface is a smooth finish.

LIST PRICE

Nickel-Plated, 5 inches wide	$ .70
Rough Brass	.60
Chromium Plated	.80
For Countersunk Cover, add	.40

K-1185

K-1185—Blake Brass Plugs

Cut illustrates the brass plugs we make for our line of castings. They are not as deep as the regular steam plug, but there are five or six threads, all iron pipe size. They make up tight. Have high hollow head.

LIST PRICES

Iron Pipe Size	Regular Plug	Countersunk Plug	Flanged Plug	Flanged Countersunk Plug	Solid Head Plug	Hollow Hex. Head Plug	Solid Hex. Head Plug
1 -in.	$ .16	$ .24	$ .18	$ .26	$ .21	$ .18	$ .19
1¼-in.	.22	.30	.24	.32	.29	.24	.25
1½-in.	.24	.32	.26	.34	.31	.26	.28
2 -in.	.32	.40	.35	.43	.42	.35	.37
2½-in.	.48	.58	.53	.63	.62	.53	.55
3 -in.	.60	.70	.66	.76	.78	.66	.69
3½-in.	.80	.90	.88	.98	1.04	.88	.92
4 -in.	1.00	1.10	1.10	1.20	1.30	1.10	1.15
5 -in.	1.80	1.92	1.98	2.10	2.34	1.98	2.07
6 -in.	3.00	3.12	3.30	3.42	3.90	3.30	3.45
8 -in.	5.50	5.62	6.05	6.17	7.15	6.05	6.33
10 -in.	7.00	8.00	7.70	8.70	9.10	7.70	8.05
12 -in.	10.60	11.60	11.66	12.66	13.78	11.66	12.19

For finished brass plugs, add 50% to above list prices. For nickel plated brass plugs, add 75% to above list prices. For chrome plated brass plugs, add 100% to above lict prices.

K-1185G—Blake Special Heavy Government Type Brass Plug

These plugs are much heavier than the K-1185 shown above, and are according to Government specifications.

LIST PRICES

Iron Pipe Size	Regular Plug	Countersunk Plug	Iron Pipe Size	Regular Plug	Countersunk Plug
1½-in.	$ .36	$ .44	6-in.	$2.88	$3.00
2 -in.	.42	.50	8-in.	5.76	5.88
3 -in.	1.00	1.10	10-in.	9.00	10.00
4 -in.	1.44	1.54	12-in.	12.72	13.72
5 -in.	2.40	2.52			

K-1225

K-1225—Blake Extension Drum Trap Cover

Furnished regularly with rough square head brass plug for 3-inch iron pipe. We can, however, furnish bottom cover in rough flange flush cover, if desired, at same price as plug cover. Bolts are furnished with continuous thread in any length up to 6 inches, but bolt 2½ inches long furnished, unless otherwise specified. For longer bolts we list prices below.

Top plate is 5½ inches wide and made of heavy nickel plated brass. Total weight about 20 ounces.

LIST PRICES

K-1225 with nickel plated cover and 2½-inch brass bolt	$1.50
K-1225 with chrome plated cover and 2½-inch brass bolt	2.00

For each additional 1-inch length or fraction thereof to regular length, add 10c to list.

EXTRA PARTS

Top nickel plated cover	$ .70
Top chrome plated cover	1.20
Brass Bolts, 2½ inches long	.25

Longer bolts, add 10c for each 1-inch length or fraction thereof.

Blake C. I. Sink Traps, with Heavy Walls and Heavy Cleanout Plugs

Made in 1¼-inch and 1½-inch Sizes

K-1252

K-1260

All of our sink traps have threaded inlets and outlets, as shown, but we can furnish nuts to make slip joint inlets, or C. I. Iron Pipe collars for bolt and collar sinks. Specify exactly what is wanted.

1¼ S Traps. Approximate weight ... 7 pounds
1½ S Traps. Approximate weight ... 10 pounds
1¼ P Traps. Approximate weight ... 4 pounds
1½ P Traps. Approximate weight ... 5½ pounds
1¼ or 1½ Collars only—threaded. State size.
1¼ or 1½ Slip Nuts. State size

The S traps are about 2 feet long.

Traps are heavy and even walls. Cleanout plugs are ¾-inch I. P. size.

LIST PRICE

	Without Collar or Slip Nut	With Collar or Slip Nut
K-1252—1¼-inch	$1.04	$1.34
K-1252—1½-inch	1.40	1.76
K-1260—1¼-inch	2.10	2.40
K-1260—1½-inch	2.80	3.16

Extras

1¼ or 1½-inch Sink Collars for Iron Pipe	$ .24
1¼ or 1½-inch Sink Collars for Lead Pipe	.14
1¼ or 1½-inch Slip Nut	.26
For Galvanized 1¼-inch S Traps, add	1.20
For Galvanized 1½-inch S Traps, add	1.50
For Galvanized 1¼-inch P Traps, add	.60
For Galvanized 1½-inch P Traps, add	.90

Hy-Tech Products

K-1522—Blake Ohio, Boston and New York Code Cleanouts

For Extra Heavy Pipe

K-1522

Regularly furnished with high ferrule and high hex. head brass plug. Hollow or solid heads. Plugs full opening for test plugs.

LIST PRICES AND SPECIFICATIONS

Body Size	Plug Size	Weight	Ohio or Boston Code or New York Regulation High Hollow Head	Ohio or Boston Code or New York Regulation Countersunk	New York City Code Solid Head
2-inch	2 -inch	2½ lbs.	$ .56	$ .64	$ .70
3-inch	2½-inch	3½ lbs.	.84	.94	.96
4-inch	3½-inch	4½ lbs.	.90	1.00	1.00
5-inch	5 -inch	5¾ lbs.	2.10	2.22	2.40
6-inch	6 -inch	7¼ lbs.	3.00	3.12	3.30
8-inch	8 -inch	12½ lbs.	7.10	7.22	7.60
10-inch	10 -inch	19 lbs.	11.50	11.62	12.50
12-inch	12 -inch	23 lbs.	18.00	18.12	19.50

K-1522C—Brooklyn, New York Competition Cleanout

Same style and height as above with smaller plugs with high hollow hex. head.

LIST PRICES AND SPECIFICATIONS

Body Size	Plug Size	Weight	Regular	Countersunk	Flange	Flange Countersunk
2-inch	1½-inch	1¾ lbs.	$ .42	$ .50	$ .48	$ .54
3-inch	2 -inch	3¼ lbs.	.66	.76	.68	.78
4-inch	3 -inch	4 lbs.	.74	.84	.80	.90
5-inch	5 -inch	5¾ lbs.	1.70	1.82	1.80	1.92
6-inch	6 -inch	7¼ lbs.	2.30	2.42	2.40	2.52
8-inch	8 -inch	12½ lbs.	6.80	6.92	6.90	7.02
10-inch	10 -inch	19 lbs.	11.50	11.62	11.60	11.72
12-inch	12 -inch	23 lbs.	18.50	18.62	18.50	18.62

K-1552—Blake Extra Heavy Cleanout, with I. P. Size Heavy Brass Plug

Can Be Used for Extra Heavy Pipe Only

K-1552

This is an article of real heavy quality, with opening large enough to permit test plugs to be inserted.

LIST PRICES AND SPECIFICATIONS

Body Size	Plug Size	Weight	Regular	Countersunk	Flange	Flange Countersunk	Milwaukee Code Flange High Hollow Hex. Head	High Solid Hex. Head	Baltimore Reg. Solid Hex. Nut 1-inch High, 1¼-inch across. 4-inch Size—Hollow Head
2-inch	2 -inch	1½ lbs.	$ .72	$ .80	$ .76	$ .84	$ .79	$ .83	$ .52
3-inch	2½-inch	2 lbs.	.88	.98	.96	1.06	.97	1.01	.84
4-inch	3½-inch	3¾ lbs.	1.08	1.18	1.20	1.30	1.19	1.24	.90
5-inch	5 -inch	5 lbs.	2.40	2.52	2.56	2.68	2.64	2.76	2.10
6-inch	6 -inch	7 lbs.	3.00	3.12	3.20	3.32	3.30	3.45	2.80
8-inch	8 -inch	12½ lbs.	8.40	8.52	9.00	9.12	9.24	9.66	8.00
10-inch	10 -inch	19 lbs.	12.00	12.12	13.00	13.12	13.20	13.80	12.50
12-inch	12 -inch	21 lbs.							19.50

K-1574—Blake Standard Cleanouts to Fit Standard or Extra Heavy Pipe

Screw Plug or Flanged Cover

K-1574

As a standard cleanout this is in a class by itself, with a heavy brass cover and five full iron pipe threads cut in the cover and in the ferrule also.

LIST PRICES AND SPECIFICATIONS

Body Size	Plug Size	Weight	Regular	Countersunk	Flange	Flange Countersunk	San Jose Code Flange Solid Head 1-in. High. Cover 3/16-in. Thick	Salt Lake City, Fresno or Reno Code. Screw Plug and 1-in. High Solid Square Head	Palo Alto, Santa Barbara Code. Hollow Square Head ¾-in. High 11/8-in. Wide.
2-inch	1½-inch	1¼ lbs.	$ .32	$ .40	$ .36	$ .44	$ .44	$ .42	$ .36
3-inch	2½-inch	2 lbs.	.56	.66	.62	.72	.82	.73	.62
4-inch	3 -inch	2¾ lbs.	.64	.74	.72	.82	1.20	.83	.72
5-inch	3½-inch	4½ lbs.	1.50	1.62	1.60	1.72	1.76	1.95	1.60
6-inch	4 -inch	6 lbs.	2.00	2.12	2.20	2.32	2.40	2.60	2.20
8-inch	4 -inch	11 lbs.	6.40	6.52	5.20	6.32	6.60	8.32	5.20
10-inch	4 -inch	18 lbs.	11.00	11.12				14.30	

K-1595

K-1595—Blake Standard Cleanouts—Full Opening

Same as K-1574 but has full opening to admit test plugs. Fits standard or extra heavy soil pipe.

LIST PRICES AND SPECIFICATIONS

Body Size	Plug Size	Weight	Regular	Countersunk	Flange	Flange Countersunk	Head Hollow	High Hex Head Solid	New Orleans Code Square Head Flanged 3/16" thick
2-in.	2 -in.	1½ lbs.	$ .40	$ .48	$ .48	$ .56	$ .44	$ .46	$ .60
3-in.	2½-in.	2 lbs.	.60	.70	.78	.88	.72	.69	1.00
4-in.	3½-in.	3 lbs.	.80	.90	.94	1.04	.84	.92	1.20
5-in.	5 -in.	5 lbs.	1.80	1.92	2.12	2.24	2.00	2.07	2.20
6-in.	6 -in.	7 lbs.	2.50	2.62	2.96	3.08	2.80	2.88	2.80
8-in.	8 -in.	12½ lbs.	7.10	7.22	7.00	7.12	6.80	8.17	7.20
10-in.	10 -in.	19 lbs.	11.00	11.12	11.50	11.62	11.00	12.65	12.60
12-in.	12 -in.	23 lbs.			18.50	18.62			20.00

For finished brass plugs, add 50% to list price.
For nickel-plated brass plugs, add 75% to list price.
For chromium plated plugs, add 100% to list price.

K-1504—So-Easy-To-Remove Repair Parts for Old Style Cleanouts

	2-Inch	3-Inch	4-Inch	5-Inch	6-Inch
Iron Covers	$ .10	$ .14	$ .20	$ .28	$ .40
Cross Bars	.06	.08	.12	.28	.30
Brass Bolts	.18	.18	.18	.28	.28
Gaskets	.04	.06	.08	.12	.16
Leather Washers for Bolts	.04	.04	.04	.06	.06

K-1104—Blake Heavy Round Ice Box Drains

K-1104
Specify finish and tapping

No. K-1104—Regular Standard Round Drain tapped to receive either ¾, 1, 1¼, or 1½-inch iron pipe. Measures 8 inches across top, and is 2½ inches deep. Weight, about 4½ pounds. In ordering specify whether Black Dipped, Aluminum Dipped, or Galvanized, and size of pipe. Will ship 1¼ tapping unless otherwise ordered.

Made with loose or hinged strainer.

No. K-1107—Midget, 6 inches wide, same pattern as above. Very suitable for apartment house work. Loose strainer only, and tapping not larger than 1¼-inch. Specify whether Black or Aluminum Dipped or Galvanized.

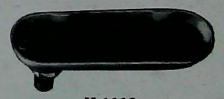
LIST PRICES

	Black Painted	Aluminum Painted	Galvanized	Weight
K-1104—Heavy Pattern, 8-inch	$ .70	$ .80	$1.00	4½ lbs.
K-1107—Midget, 6-inch	.44	.54	.84	3 lbs.
Loose strainers only	.22	.28	.34	

Blake Heavy Standard Oblong Pattern Ice Box Drains

K-1108
Specify finish and tapping

This pattern is 10 inches long from center of pipe to end, and can be swung around at any angle. Has loose strainer, and can be furnished for ¾, 1, 1¼, or 1½-inch iron pipe. Depth is about 2½ inches; weight, 5½ pounds. Specify whether Black or Aluminum Dipped, or Galvanized, and size of pipe.


K-1110
Specify finish and tapping

No. K-1110 Drain has the same measurements and weight as No. K-1108, but is with spigot end and nut, which fits into 1¼-inch pipe, and by using candle wick, or any packing, and screwing the union nut to the 1¼-inch pipe, a perfect slip joint connection is formed.

LIST PRICES

	Black Painted	Aluminum Painted	Galvanized	Weight
K-1108	$ .70	$ .80	$1.30	5½ lbs.
K-1110	1.10	1.20	1.44	5½ lbs.
Loose strainers only	.22	.28	.34	
Nuts for K-1110	.34	.34	.44	

Hy-Tech Products

K-1574A—Short Pattern—All Brass Plug Cover With Raised Head

K-1574A

Heavy construction.

Five full iron pipe threads are cut in both cover and ferrule.

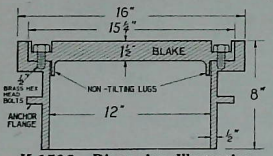
Rough covers furnished unless otherwise specified.

Size	Rough Cover Price Each	Polished Cover Price Each	Shipping Weight
2", with 1½" I. P. size taper plug	$1.00	$1.20	2 lbs.
3", with 2½" I. P. size taper plug	1.60	2.00	3 lbs.
4", with 3 " I. P. size taper plug	2.50	3.00	4 lbs.
5", with 3½" I. P. size taper plug	4.40	5.00	5 lbs.
6", with 4 " I. P. size taper plug	6.00	7.00	7 lbs.
8", with 4 " I. P. size taper plug	12.00	13.10	12 lbs.
10", with full opening plug	23.40	26.40	20 lbs.
12", with full opening plug	29.50	33.50	35 lbs.

K-1575—Extra Heavy All Brass Cleanouts of Varying Special Lengths and Sizes

List Prices for Raised or Countersunk Heads

	Size 2-In.	Size 3-In.	Size 4-In.	Size 5-In.	Size 6-In.
3¼" high	$1.00	$1.60	$2.50	$4.60	$6.30
3½" high	1.10	1.75	2.80	5.00	7.00
4 " high	1.30	2.00	3.00	5.30	7.50
4½" high	1.50	2.30	3.25	5.60	8.00
5 " high	1.75	2.60	3.55	5.90	8.40
5½" high	2.00	3.00	3.80	6.20	8.80
6 " high	2.50	3.50	4.50	6.80	9.50



K-1596—Dimension Illustration

K-1596—Blake Cleanout Manhole Cover

Extra Heavy

Recommended for protection to exposed cleanouts against abuse by trucks and other heavy traffic.

LIST PRICE

		Weight
K-1596	$16.00	65 lbs.

This manhole and cover will accommodate cleanouts up to 8" size.

K-1600—Blake Iron Drive Ferrule

K-1600

To Insert Into Lead Pipe

Sizes 1½, 2 and 4-inch

Made Also in Heavy Brass

Sizes 2 and 4-inch

LIST PRICE

	C. I. Drive Ferrule	Heavy Brass Drive Ferrule
K-1600—1½-inch	$ .18	$ .....
K-1600—2 -inch	.18	.70
K-1600—3 -inch	.24	1.10
K-1600—4 -inch	.28	1.50

K-1610—Blake Iron Short Drive Ferrule

K-1610

Made in 2 and 4-inch Only

LIST PRICE

K-1610—2-inch	$ .16
K-1610—4-inch	.24

Soil Pipe Vent Caps, Plugs and Short Tapped Increasers

Ventilating Caps

K-2260

Made in 2, 3, 4 and 6-inch sizes for standard or extra heavy pipe.

4-inch weighs 3 lbs.

List Price

2-inch	$ .32
3-inch	.44
4-inch	.52
6-inch	1.10

Soil Pipe Plugs

K-2266

Made in 2, 4 and 6-inch sizes. Standard and extra heavy.

4-inch weighs 3 lbs.

List Price

	Standard	Ex. Hy.
2-inch	$ .26	$ .30
4-inch	.44	.50
6-inch	.79	.88

Short Tapped Increasers

K-2275

Made standard and extra heavy. Sizes 4x1¼, 1½ and 2 inches, and 6x1½ and 2 inches.

Standard 4-inch weighs 5½ lbs. Extra heavy, 8 lbs.

List Price

	Standard	Ex. Hy.
4-inch	$ .80	$1.10
6-inch	1.50	1.80

K-1975—Blake Cast Iron Closet Bend with Screw Collar for Caulking

K-1975

This bend, like all of our products, is extra heavy and can be furnished either 12 or 16 inches long from center of outlet to end. Opening is 4 inches. It is furnished either with long or short inlet, the same as the bends listed on page 136; also furnished in plain or right or left hand tapping, or both sides, either in opposite tappings or offset, also Y tappings. It is the same bend and collar as shown in K-2000, except that collar and bend are threaded for adjustment setting.

LIST PRICE

Complete, plain, no tappings, either 12 or 16-inch lengths, with 2-inch collar	$3.10
If wanted with right or left T tappings, or both, add to the above list for each tapping	.16
If Y tappings wanted, add for each tapping	.30

K-2000—Blake Iron Closet Bends—Plain and Tapped

Made also with 3-inch outlet end for 3-inch soil pipe
Be sure to read description before ordering
All Closet Bends Furnished with 2-inch Depth K-2050 Collar unless Otherwise Specified.

K-2000—Plain

Extra heavy weight, complete with 2-inch iron slip collar. Regularly furnished with ½-inch tappings, but can furnish 2-inch. All bends are made in 12 and 16-inch lengths from center of inlet to end of outlet, and also made in short or long inlets. Short inlets measure 4 inches from top to center of bend, and long inlets are 1-inch higher. Bends without any side openings will be known as plain. Tappings can be furnished single right or left, also right and left in opposite tappings or offset, as shown in cut, or both openings on one side. Y tappings will be furnished single right or left, or both. Specify length of bend, long or short inlet, and size of tappings, what position, and how many. Plain 16-inch bends weigh about 17 pounds; bends with one tapping, about 17½ pounds; bends with two tappings, about 18 pounds.

Right

Left

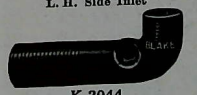
LIST PRICES

4x12 or 4x16 Plain Long or Short Inlet Closet Bend	$2.00
4-inch Closet Bends with 3-inch Outlet and Closet Bends all 3-inch	2.00
If Closet Bends are wanted with right or left T tappings, or both, add to above list for each tapping	.16
If Y tappings, add for each tapping	.30
If Closet Bends are wanted less Slip Collar, deduct	.20
If Closet Bends are to be furnished with single or double 2-inch raised vents, add	1.76

Blake Cast Iron Closet Bends with Slip Collar and Hub Side Inlet

Made in 16-inch lengths only
Measurement from Center of Inlet to End of Bend

L. H. Side Inlet



K-2044

LIST PRICES K-2044

Short Inlet, 4 Inches High from Center of Bend			Long Inlet, 5 Inches High from Center of Bend		
Size	Wt. Lbs.	Price	Size	Wt. Lbs.	Price
2-in. Hubbed Branch, R. H.	22	$3.50	2-in. Hubbed Branch, R. H.	22½	$4.00
2-in. Hubbed Branch, L. H.	22	3.50	2-in. Hubbed Branch, L. H.	22½	4.00
2-in. Hubbed Branch, R. & L.	24	4.50	2-in. Hubbed Branch, R.&L.	24½	5.00

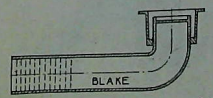
L. H. Side Inlet

K-2046

LIST PRICE K-2046

Short Inlet, 4 Inches High from Center of Bend			Long Inlet, 5 Inches High from Center of Bend		
Size	Wt. Lbs.	Price	Size	Wt. Lbs.	Price
2-in. Y Hubbed Branch, R. H.	25	$4.00	2-in. Y Hubbed Branch, R. H.	25½	$4.00
2-in. Y Hubbed Branch, L. H.	25	4.00	2-in. Y Hubbed Branch, L. H.	25½	4.00
2-in. Y Hubbed Branch, R.&L.	30	5.00	2-in. Y Hubbed Branch,R.&L.	31	5.00

Specify height of Inlet, R. or L., or both side openings, or R. or L. Y Hubs, or both. If Collar not wanted, deduct 20c.



K-1975A—Closet Bend

With screw adjustable collar and closed top for testing (to be broken out later). When wanted, add $1.76 list to list price of any bend.

Hy-Tech Products

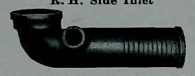
Blake Iron Closet Bends with Short Inlet Hubs

Read carefully and order correctly

All our bends are extra heavy weight. Made 16 inches long, from end to center of bend. Furnished regularly with 1½-inch tappings, but can furnish 2-inch if desired.

In specifying right or left hand openings, be sure and refer to cuts to left, where we illustrate our understanding of right and left.

R. H. Side Inlet



K-2070—Tapped Side Inlets

LIST PRICE

Style K-2070

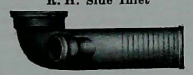
Size—Plain, no Tapping, weight 19 lbs.	$2.00
Size—Tapped 1½-inch, R. H., weight 19½ lbs.	2.16
Size—Tapped 1½-inch, L. H., weight 19½ lbs.	2.16
Size—Tapped 1½-inch, R. & L., weight 20 lbs.	2.32

K-2076—Hub Side Inlets

Style K-2076—With Plain Hubbed Branches

Size—2-inch Hubbed Branch, R. H., weight 22 lbs.	$3.50
Size—2-inch Hubbed Branch, L. H., weight 22 lbs.	3.50
Size—2-inch Hubbed Branch, R. & L., weight 26 pounds	4.50

R. H. Side Inlet



K-2085—Y Hub Side Inlets

Style K-2085—With Y Hubbed Pitched Side Inlet Branches

Size—2-inch Y Hubbed Branch, R. H., weight 26 lbs.	$4.00
Size—2-inch Y Hubbed Branch, L. H., weight 26 lbs.	4.00
Size—2-inch Y Hubbed Branch, R. & L. weight 28 lbs.	5.00
Size—1½-inch Y Tapped Branch, R. H., weight 22 lbs.	2.30
Size—1½-inch Y Tapped Branch, L. H., weight 22 lbs.	2.30
Size—1½-inch Y Tapped Branch, R. & L., weight 23 lbs.	2.60

Blake Iron Slip Collars for Closet Bends

4-Inch Extra Heavy

K-2050
Notched Top

LIST PRICE

Depth	Weight	Price
Size 1½-inch	2½ lbs.	$ .24
Size 2 -inch	3 lbs.	.30
Size 2½-inch	3½ lbs.	.36
Size 3 -inch	4 lbs.	.50
Size 4 -inch	4½ lbs.	.60
Size 5 -inch	7 lbs.	1.20
Size 6 -inch	7½ lbs.	1.40
Size 8 -inch	10 lbs.	2.00

Slotted Top

This is made in the same various depths as opposite collar and at same prices.

Closet bends will be furnished with notched top unless slotted top is specified.

K-2065
Slotted Top

Collars can be furnished with screw holes only.

All above collars will slip over extra heavy soil pipe.

Same Collars as above for caulking for slop sinks or 3-inch Closet Bends, size 3"x2" or 3"x2½", 50c.
Same Collar as above for screw pipe connection at bottom, 70c.

Blake Special C. I. Closet Waste Fittings

Extra Heavy

Complete with 2-inch loose slip collar—Made in 12, 18 and 24-inch lengths

LIST PRICE OF PLAIN AND TAPPED FITTINGS

Size—2-1½-inch tappings, length 12-inch, weight 14 lbs.	$3.08
Size—2-1½-inch tappings, length 18-inch, weight 17 lbs.	3.30
Size—2-1½-inch tappings, length 24-inch, weight 20 lbs.	4.06
Size—1-1½-inch tapping, length 12-inch, weight 14 lbs.	2.86
Size—1-1½-inch tapping, length 18-inch, weight 17 lbs.	3.08
Size—1-1½-inch tapping, length 24-inch, weight 20 lbs.	3.86
Size—Plain, no tapping, length 12-inch, weight 13 lbs.	2.64
Size—Plain, no tapping, length 18-inch, weight 16 lbs.	2.86
Size—Plain, no tapping, length 24-inch, weight 19 lbs.	3.64

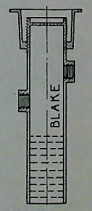
With One 2-Inch Hub Branch

Size—12 inches, weight 15 lbs.	$3.30
Size—18 inches, weight 18 lbs.	3.96
Size—24 inches, weight 21 lbs.	4.68

Extra Hub Branch can be furnished, add to list 88c.
If Slip Collar not wanted, deduct 20c.

K-2116

K-2126



K-2116A

K-2116A is with Closed Top for testing (to be broken out later), and has adjustable screw collar. When wanted, add $1.76 list to above list prices.

Showing closed end for testing

K-2100
Cut shows cover removed from Flange

K-2105

K-2110

K-2113

K-2098

Blake Brass or Iron Closet Flanges for Durham Work

In cast iron we furnish with closed ends for testing. In brass flanges we cannot do this.

The cut to the left illustrates closed end on cast iron flange.

By striking with a cold chisel and hammer at the points indicated by arrows, the cover can easily be removed.

K-2110 has a wrought iron nipple cast in to make a male thread for use in places where elevated floors are used. It is made large enough to take in any closet, wall or floor.

LIST PRICES

	Cast Iron	Galvanized	Brass
K-2100	$ .88	$1.44	$2.42
K-2105	1.66	2.60	4.40
K-2110	2.20	3.04	4.84
K-2113	2.10	3.04	4.40

DIMENSIONS

	Diameter	Depth	Weight Brass	Weight Cast Iron
K-2100	4-inch, Female I. P.	1¾-inch	4 lbs.	3 lbs.
K-2105	4-inch, Female I. P.	3½-inch	6 lbs.	5 lbs.
K-2110	4-inch, Male I. P.	2¾-inch	4½ lbs.	4 lbs.
K-2113	3-inch, Female Thread	3¾-inch	6 lbs.	5 lbs.

K-2098—Blake Cast Brass Closet Flanges

Weight about 15 ounces. Recessed under flange so head of bolt cannot turn. Furnished with or without bolt and washers.

This is not a stamped flange, but is heavy cast brass.

LIST PRICE

Closet Flange—No bolts	$ .70
If Nickel-Plated bolts, nuts and washers are wanted, add, per set of 2	.40

K-1350—Blake Hanger Inserts for Concrete Construction

Made in 3 Sizes

K-1350

The Blake Hanger Insert has ample bearing surface, so that it will not pull out after concrete is set.

You will note by end view sectional cut that upper chamber permits nut to be turned around—but at bottom it is channeled to hold the nut firm.

Made in 3 sizes to take ⅜, ½ and ⅝ bolts. We do not furnish bolts or nuts. Also made for ⅜ or ½-inch iron pipe.

LIST PRICE

K-1350—For ⅜-inch bolt	$ .24
K-1350—For ½-inch bolt or for ⅜-inch iron pipe	.26
K-1350—For ⅝-inch bolt or for ½-inch iron pipe	.30

Sectional View

K-2150—Blake "Fits-Em-All" Pipe Rest

For standard or extra heavy pipe. Holds the pipe firmly. Can be used in practically any place.

K-2150
Patent applied for

LIST PRICE

Size 2-inch, weight 2 lbs.	$ .34
Size 3-inch, weight 2½ lbs.	.42
Size 4-inch, weight 3 lbs.	.54
Size 5-inch, weight 4 lbs.	.79
Size 6-inch, weight 4½ lbs.	1.00
Size 8-inch, weight 8 lbs.	1.70
Size 10-inch, weight 9 lbs.	2.10

Hy-Tech Products

K-2200

K-2230
R. H. Side Outlet

K-2340

K-2350

K-2410

K-1900

K-1901

Blake Tapped Tees and Crosses, Standard and Extra Heavy

LIST PRICES

	Standard Tees	Extra Heavy Tees	Average Weight
K-2200—2-inch	$ .88	$1.00	5½ lbs.
K-2200—4-inch	1.76	1.80	15 lbs.

Sizes—2x1¼, 2x1½, 2x2, 4x1¼, 4x1½, 4x2.

LIST PRICES

	Standard Crosses	Extra Heavy Crosses	Average Weight
K-2230—2-inch	$1.20	$1.44	6 lbs.
K-2230—4-inch	2.20	2.50	16 lbs.

Sizes—2x1¼, 2x1½, 2x2, 4x1¼, 4x1½, 4x2.

Blake 4-inch Sanitary Tees with 45° Side Outlet

Single right or left, either hubbed or tapped.

LIST PRICES

K-2340—3x3x3x2 Hub Inlet, either R. or L.	$3.50
K-2340—3x3x4x2 Hub Inlet, either R. or L.	3.50
K-2340—4x4x4x2 with Hub Inlet, R. or L.	3.70
1½-inch Tapped Inlet, R. or L.	

Double, either hubbed or tapped

LIST PRICES

K-2350—3x3x3x2 Hub Inlet, both R. and L.	$4.50
K-2350—3x3x4x2 Hub Inlet, both R. and L.	4.50
K-2350—4x4x4x2 with Hub Inlet, R. and L.	5.00
1½-inch Tapped Inlets, R. and L.	

K-2410—Blake Cleanout Tees

NOTE—Do not get these confused with our test tees, as this fitting has a smaller plug or cover, and Test Plug cannot be inserted, as in test tees.

Made standard and extra heavy and with either screw plug or flange cover.

LIST PRICES

2-inch—1½-inch screw plug	$1.16
3-inch—2 -inch screw plug	1.60
4-inch—3 -inch screw plug	1.80
5-inch—3½-inch screw plug	4.10
6-inch—4 -inch screw plug	6.00

For flanged covers, add 10% extra.
For countersunk covers, add 10% extra.

K-1900—Blake Patented Insertable Joint

An entirely new design of insertable joint. The shoulder, in the form of a crescent, permits pipe to slip through for insertion, and when the fitting is set, the upper part of stack will rest on the shoulder, forming a solid base and permitting the plumber to caulk joints with ease.

LIST PRICES

K-1900—Size 2-inch, weight 10 lbs.	$1.70
K-1900—Size 3-inch, weight 14 lbs.	2.20
K-1900—Size 4-inch, weight 18 lbs.	2.50
K-1900—Size 5-inch, weight 23 lbs.	3.60
K-1900—Size 6-inch, weight 28 lbs.	4.00

	2-inch	3-inch	4-inch	5-inch	6-inch
Extra Cast Iron Rings	$ .20	$ .25	$ .30	$ .35	$ .40

K-1901—Blake Soil Pipe Insert

This soil pipe inesrt is made in three sizes, 2-inch, 4-inch, and 6-inch, and corresponding lengths. This is a fitting which will be found very convenient when cutting in a run of pipe to insert a T or Y.

LIST PRICES

K-1901—size 2-inch, weight 8 lbs.	$1.50
K-1901—size 4-inch, weight 17 lbs.	2.00
K-1901—size 6-inch, weight 25 lbs.	3.50

Blake "Y" Fittings with Extended ⅛ Bend Spigot

Made in 2, 3 and 4-inch Sizes to Fit Standard or Extra Heavy Pipe

4-inch size also made with 2 or 3-inch Inlet Hub—No Extra Charge

K-1754

The special feature of this fitting is the easy access to the most serious and frequent source of trouble—from stack to street sewer.

Made with two styles of cover: "So-Easy-to-Remove," and brass screw plug cover.

Extra heavy 2-inch Y and ⅛ bends weigh 10 pounds. Extra heavy 4-inch Y and ⅛ bends weigh 29 pounds.

The special feature of this fitting is that it can be used at the foot of any stack, whether it be in the corner, next to the wall or in the open.

Made with two styles of cover: "So-Easy-to-Remove" and brass screw plug cover.

Extra heavy 2-inch Y and ⅛ bends weigh 12 pounds. Extra heavy 4-inch Y and ⅛ bends weigh 34 pounds.

K-1774

Specify sizes and style of cover.

LIST PRICE

	Extra Heavy or Standard Iron Cover	Extra Heavy or Standard Brass Plug
K-1754 or K-1774—2-inch	$2.10	$2.20
K-1754 or K-1744—3-inch	4.00	4.00
K-1754 or K-1774—4-inch	4.20	4.20
K-1754 or K-1774—4-inch with 3-inch Hub	4.20	4.20

Brass Flange Covers can be furnished, also High Hollow Hexagon Heads, such as Ohio Code, at 5% extra—No extra charge for Minneapolis Code.

(For repair parts of "So-Easy-to-Remove," see listed repair parts of K-1814, page 133, sizes 2 and 4-inch)

K-1790—Blake "Economy" Stack Base Fittings

Made in 2 and 4-inch Only, for Standard or Extra Heavy Pipe

4-inch size also made with 3-inch inlet hub

R. H. Side Outlet
K-1790
Side Cleanout

A good, cheap and convenient fitting for base of soil pipe stack. All are extra heavy, but made to fit standard pipe also. Made with front or back cleanout, also right or left side cleanout, so fitting can be used under any condition. Cleanout plugs are iron pipe thread, heavy, and have large square heads. Openings are suitable for test plugs.

Specify size, style of cover, and whether front, back, right or left opening.

Can furnish Flanged Covers if desired, or High Hollow Hexagon Heads, at 5% extra.

LIST PRICE

2-inch Ell, weight 11 lbs.	$2.00
4-inch Ell, weight 24 lbs.	3.80

K-1790
Front Cleanout

K-1795—Blake-QS Long Sweep Stack Ell, for Standard or Extra Heavy Soil Pipe

Full Opening Cleanout

Furnished with QS Bar and Iron Cover or Brass Screw Plugs

K-1795

Its long sweep permits water to flow into basement line without friction and is a protection against clogging or stoppage. The cleanout opening being high and in front, testing can be done above or below, and on account of its large opening, rodding out is an easy task if such should become necessary. Total height is 23½ inches. Weight, 29 pounds.

Furnished with flange or screw plug. High Hollow Hexagon Head can also be furnished, if desired, at same price.

LIST PRICE

K-1795—4-inch Long Sweep Ell, Standard or Extra Heavy Pipe, Screw Plug	$4.50
K-1795—4-inch Long Sweep Ell, Standard or Extra Heavy Pipe, QS Bar Cover	4.76

REPAIR PARTS FOR BAR COVERS

Brass Bars	$ .70
Iron Covers	.50

Hy-Tech Products

Blake Test Tees

(For Cleanout Tees—Smaller Openings—See K-2410, page 138)

K-1814

With plain side opening and "So-Easy-to-Remove" Cover. Takes 90-degree testing plug. A test tee can be caulked in on each story and a test made on each floor separately. 2-inch test tee weighs about 9 pounds; 4-inch about 16 pounds; 6-inch, about 32 pounds.

Made in sizes from 2 to 6-inch. Specify size and whether standard or extra heavy.

LIST PRICE

	Standard or Extra Heavy Test Tees
K-1814—2-inch	$1.60
K-1814—3-inch	2.30
K-1814—4-inch	2.50
K-1814—5-inch	5.50
K-1814—6-inch	8.30

K-1844

This test tee has the same advantages as the one shown opposite; the only difference being that this has a brass screw plug cover. Cover can be furnished countersunk head if desired.

NOTE.—This test tee can also be furnished with brass screw flange covers, instead of plug covers.

Two-inch test tees weigh 8½ pounds, approximately; 4-inch test tees weigh 15½ pounds, approximately; 6-inch weighs 32 pounds.

Made in sizes from 2 to 8-inch. Specify size, whether standard or extra heavy, and if covers are wanted screw plug or flanged.

LIST PRICE

	Standard or Extra Heavy Test Tees	With Flanged Cover
K-1844—2-inch	$1.40	$1.44
K-1844—3-inch	1.80	1.86
K-1844—4-inch	2.10	2.20
K-1844—5-inch	5.00	5.16
K-1844—6-inch	6.50	6.70
K-1844—8-inch	15.00	16.00

Countersunk heads, add per schedule with K-1574, page 132. High Hollow Hexagon Heads, 10% advance.

Above Test Tees with Brass Screw Flange Covers, 10% advance.

Test Tees with Milwaukee Code Covers, add 10%.

LIST PRICE FOR REPAIRS OF K-1814

	Size 2	Size 3	Size 4	Size 5	Size 6
So-Easy-to-Remove Cover Only	$ .28	$ .34	$ .38	$ .50	$ .66
Brass Bolts Only	.22	.22	.22	.38	.38
Gaskets Only	.06	.08	.10	.28	.32
Cross Bars Only	.10	.14	.14	.30	.32
Leather Washer for Bolts	.04	.04	.04	.06	.06

K-1855

K-1855—Blake Extra Long Test Tees

Made Standard and Extra Heavy, in sizes from 2 to 6 inches.

Made 18 inches long. Openings full size for test plugs. These are the same test tees as above, except that the length is 18 inches.

Specify size, whether standard or extra heavy, and if plug or flanged covers.

For Brass Plugs Only for any of above fittings, see K-1185, page 131.

LIST PRICE

	Standard or Extra Heavy Long Test Tees
K-1855—2-inch	$2.20
K-1855—3-inch	3.30
K-1855—4-inch	3.86
K-1855—5-inch	8.24
K-1855—6-inch	9.68

Above Test Tees with Brass Screw Flange Covers, 10% advance.

K-1880—Blake "Fits-Em-All" Repair Covers for Test Tees

K-1880
Patented

A handy repair cover for all test tees of any make, as it fits them all. Inserted and made tight in a few minutes. Saves time and expense.

Made for 2, 4 and 6-inch test tees.

Size 4-inch weighs 1½ lbs.

LIST PRICE FOR K-1880 & K-1886

2-inch	$ .66
4-inch	.88
6-inch	1.10

K-1886—Blake "Fits-Em-All" Repair Covers for Cleanouts

The adjustable bar can be lengthened to reach under shoulder of all cleanouts, and then set tight by screwing down nut. Stud bolts are made long to permit handling while inserting the bar.

Made for 2, 4 and 6-inch cleanouts.

Size 4-inch weighs 1½ lbs.

K-1886
Patent applied for

LIST PRICE FOR REPAIRS FOR K-1880 & K-1886

Sizes	2-inch	4-inch	6-inch
Cast Iron Tops only	$ .22	$ .32	$ .40
Cross Bars only	.22	.32	.40
Bolts only	.22	.32	.40
Nuts only, each	.14	.14	.14
Washers for Nuts, each	.08	.08	.08

Blake Sewer and Soil Pipe Grates

K-3000

Specify size, whether soil or sewer and if with legs or flat.

K-3050

Tile Sewer Pipe Grates
Furnished either Flat or with Legs

Diameter		Diameter	
2-inch	3 -inch	5-inch	6¼-inch
3-inch	4 -inch	6-inch	7½-inch
4-inch	5⅛-inch	8-inch	9¾-inch

LIST PRICE

	Size	Diameter	Flat	Wt. Lbs.	With Legs	Wt. Lbs.
K-3000	2-in.	3 -in.	$ .18	¾	$ .28	¾
K-3000	3-in.	4 -in.	.20	¾	.34	1
K-3000	4-in.	5⅛-in.	.24	1	.40	1¼
K-3000	5-in.	6¼-in.	.34	1½	.50	2
K-3000	6-in.	7½-in.	.48	2⅛	.66	2¾
K-3000	8-in.	9¾-in.	1.00	5¼	1.10	6¾

Soil Pipe Grates
Furnished either Flat or with Legs

Diameter		Diameter	
2-inch	2⅝-inch	5-inch	5⅝-inch
3-inch	3⅝-inch	6-inch	6¾-inch
4-inch	4⅝-inch	8-inch	8¾-inch

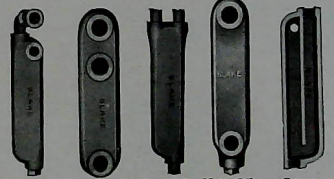
LIST PRICE

	Size	Diameter	Flat	Wt. Lbs.	With Legs	Wt. Lbs.
K-3050	2-in.	2⅝-in.	$ .18	⅜	$ .28	¾
K-3050	3-in.	3⅝-in.	.20	½	.34	1
K-3050	4-in.	4⅝-in.	.24	⅝	.38	1⅛
K-3050	5-in.	5⅝-in.	.34	1⅛	.46	1½
K-3050	6-in.	6¾-in.	.46	1½	.62	2
K-3050	8-in.	8¾-in.	.88	3½	1.00	4

Blake Iron or Brass Water Heaters

These heaters are made to fit any style furnace or boiler, and will develop maximum efficiency, having one foot of heating surface, which is ample to carry 35 feet of radiation.

For furnishing hot water in connection with 30-gallon or 40-gallon range boiler, nothing better can be installed.



K-1320 K-1325 K-1330 K-1335 Cross Section

Cleanout plugs at bottom afford an easy means to blow out sediment.

No. K-1320 can be lengthened out for any holes in boiler. (We do not furnish the elbow shown.)

No. K-1325 is 2½ inches center to center of boiler connection.

No. K-1330 is 2 inches center to center of boiler connection.

K-1335 is 9 inches center to center of boiler connection.

All receive a thorough water test before shipping.

We tap openings either for ¾ or 1-inch iron pipe, and if you fail to mention size of tappings, we will ship them for 1-inch pipe.

Approximate measurements are 2¼x3¼x12-inch.

Weight, about 8½ pounds.

LIST PRICE

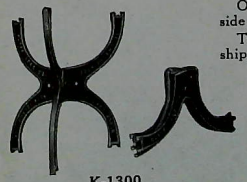
	Cast Iron	All Brass
K-1320 to K-1335	$2.00	$7.00

Specify if Heaters are to be Brass

K-1300—Blake Tripod Boiler Stand

One of the best on the market. Heavy and strong. Requires no adjustment, one side being arranged for 30-gallon boiler, while other side will take 40-gallon.

Two bolts make it very rigid, and these same bolts form the knocked down package shipped by us. Stand is 14½ inches high. Weight, about 5½ pounds.



K-1300

LIST PRICE

Black	$ .66
Galvanized	1.32
Single Legs, Black	.24
Bolts Only, each	.05

K-1302—Blake "Trio" Boiler Stand

(Patent Pending)

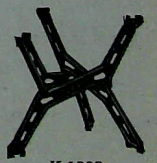
3 Pieces Only—No Bolts or Center Pieces

K-1302
Showing Method of Assembling

A stand that requires no mechanical knowledge to set up. Simply hook one leg upon another and hammer down. Stand is rigid and strong, and is reversible for 30 or 40-gallon boilers. All legs are alike and require no matching. Height, 12 inches, making it suitable for low basements. Weight, about 5 pounds.

LIST PRICE

Black	$ .60
Galvanized	1.20
Single Legs, Black	.22



K-1302
Assembled

Hy-Tech Products

TELEGRAPH CODE—BLAKE SPECIALTY CO., Rock Island, Ill.

The use of this code will save considerable cost when telegraphing

PRICES

Quote price by mail	KOBOK
Quote price by night letter	KOBUL
Quote price by telegram	KOBAM
No change in price	KOBEN
Prices likely to advance	KOBIP
Prices have advanced since your inquiry	KOCOL
All prices withdrawn effective this date	KOCEP
We withdraw our quotation of	KOCIQ
You may quote	KODOM
Others have quoted lower prices, may we meet?	KODUN
Will meet prices	KODAP
We cannot meet prices	KODEQ
Prices our discount sheets best can quote	KODIR
Prices for immediate acceptance	KOFAQ
Prices for immediate acceptance only and subject to prior sale	KOFER
Does quotation include	KOFIS
Quotation includes everything your letter	KOFON
Prices include your commission	KOFUP
Hold our quotation, letter following	KOGAR
Must have prices by	KOGES
For immediate shipment only	KOGIT
Will make freight allowance of	KOHOQ
Prices net F.O.B. Factory	KOHUR
Prices F.O.B. Factory, subject to our usual terms and freight allowance	KOHAS
Prices cash against Documents	KOJEV

ORDERS

Enter our order	KOMOV
Have entered your order	KOMUW
Add to our order	KOMAX
Can you send additional specifications to make carload?	KOMEY
....Pounds required to make minimum carload	KOMIZ
To what order number do you refer?	KONOW
Your order does not state size	KONUX
Referring to your order	KONAY
Referring to our order	KONEZ
We do not have in stock as ordered, may we substitute?	KONIB
We cannot accept order for immediate delivery	KOPOX
We cannot accept order at prices mentioned	KOPUY
Will accept order	KOPAZ
Accept order at prices given your letter/telegram of	KOPEB
Referring to your order....the following details are lacking	KOPIC

SHIPMENTS

Will ship at once	KOSOB
Will ship your order	KOSUC
Your order was shipped	KOSAD
Material is ready, can you obtain release for immediate shipment?	KOSEF
Advise by mail how soon can ship	KOSIG
Wire how soon you can ship	KOTOC
Ship in carload with	KOTUD
Ship at once by local freight	KOTAF
Ship at once by express	KOTEG
Ship express C.O.D.	KOTIH
Ship at once Parcel Post	KOVOD
Ship immediately cheapest way	KOVUF
Ship immediately rail and water	KUVUB
Ship immediately all raill	KOVEH
Ship sight draft bill of lading	KOVIJ
Can you ship immediately?	KOWOF
How soon can you make complete shipment?	KOWUG
Can ship from stock the following	KOWAH
Please hurry shipment and advise when you will ship	KOWEJ

Shipments—Continued

It is impossible to do better	KOWIK
Shipment must be made within....from date of order	KOXOG
Ship at once all you can, let balance follow as soon possible	KOXUH
Have you shipped?	KOXAJ
Best promise on your	KOXEK
We can ship immediately	KOXIL
We can ship in about one week	KOYOH
We can ship in about two weeks	KOYUJ
We can ship in about three weeks	KOYAK
We can ship in about four weeks	KOYEL
We can ship in about five weeks	KOYIM
We can ship in about six weeks	KOZOJ
We can ship in about eight weeks	KOZUK
We can ship in about ten weeks	KOZAL
How many have been shipped?	KOZEM
How are you shipping?	KOZIN
Hold shipment for additional order which we are mailing today	KUBUK

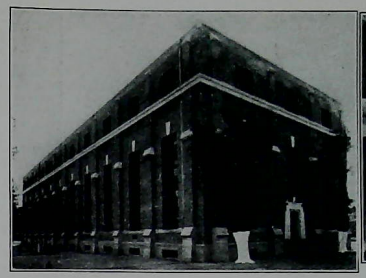
SETTLEMENT

Has check been mailed?	KUDEP
When will you mail check?	KUDOR
Check was mailed	KUFUN
Will want check	KUFAP
What basis of settlement can we expect?	KUFEQ

GENERAL

We do not understand your letter of the	KUJUR
Try to come to an understanding on the proposition	KUJAS
According to specification	KUJET
Replying to your telegram or....our answer is YES	KUJIV
Replying to your telegram of....our answer is NO	KUJOW
Telegraph if you would consider	KUKUS
What do you recommend?	KUKAT
Have you received?	KUKEV
Have not received	KUKIW
We have received	KULUT
Telegraph what quantities will be required	KULAV
Have you obtained approval?	KULEW
Have obtained approval	KULIX
Have not obtained approval	KULOY
Try to get permission	KUMAW
Do you have permission?	KUMEX
You have permission	KUMOZ
Try to get an extension	KUNUW
What arrangements have you made?	KUNAX
Please give (this) immediate attention	KUNEY
Please advise by mail	KUNIZ
Please advise by night letter	KUNOB
Please advise by telegram	KUPUX
Please reply to our letter	KUPAY
Please reply to our telegram	KUPEZ
Referring to your	KUPIB
Referring to our	KUPOC
Please advise size of	KUQOD
Will wire you tomorrow	KURAB
We are writing fully today	KUREC
Please refer to catalogue number	KURID
Your description not clear	KUROF
Your telegram not clear, please repeat	KUSUB
Please mail roughing in measurements	KUSAC
Will mail roughing in measurements	KUSED
Will mail roughing in measurements today	KUSIF
We mailed roughing in measurements	KUSOG
We have in stock subject to prior sale	KUTAD
Wire us using our code as far as possible	KUTEF

GULF BUILDING—Houston, Texas.
Mechanical Engineer—R. F. Taylor.
Jobber—Southland Sup. Co., Inc., Dallas, Tex.
Plumber—C. Wallace Plumbing Co., Dallas, Tex.
Fitted with Blake Roof Drains.



"C" CELL HOUSE, KANSAS STATE PRISON
Lansing, Kansas
Jobber—U. S. Supply Co., Kansas City, Mo.
Blake Wall Hung Closet Fittings.

Section of Cell House
Toilet facilities in every cell require a tremendous amount of plumbing fixtures.

DENVER THEATRE—Denver, Colorado
Jobber—Crane Co., Denver.
Plumber—Johnson & Davis Plbg. & Htg. Co., Denver.
Blake Roof Drains, Floor Drains, etc.

PRINTING CENTER BUILDING—Los Angeles, Cal.
Architect—W. Douglas Lee.
Jobber—M. Stulsaft Co.
Plumber—H. G. Garry.
Blake Roof Drains.

TELL US YOUR DRAINAGE PROBLEMS AND WE WILL TRY TO ASSIST YOU TO THE LEAST EXPENSE AND HIGHEST EFFICIENCY.

Plumbing is extremely vital to good living quarters and should always be of the best, not only to make a durable installation for value received, but as a health protection for those who inhabit the premises and depend upon the knowledge of competent minds to offer them security.

Build Up—Do Not Tear Down

MAX FACTOR'S MAKE-UP STUDIO—Hollywood, California.
Plumber—United Plumbing & Heating Co., Los Angeles, California.
Blake Grease Traps.

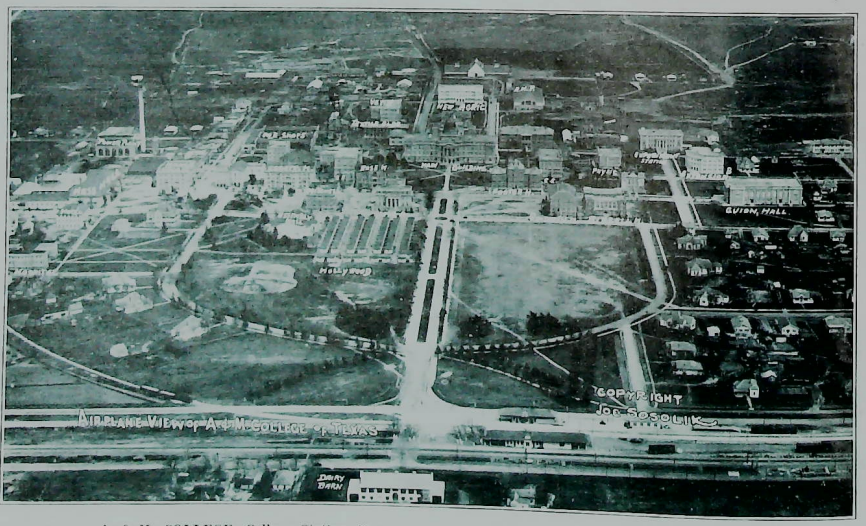
Hy-Tech Products

FIRESTONE SERVICE STORES, INC., 291 East Ave., Rochester N. Y.
Plumbing—Bareham & McFarland, Rochester, N. Y.
Equipped with Blake Drains.

CITY HALL ANNEX—Baltimore, Md.
Architect—W. H. Emory, Baltimore, Md.
Plumber—H. E. Crook Co., Baltimore, Md.
Blake Wall Hung Closet Fittings.

OHIO STATE PENITENTIARY
Columbus, Ohio
Jobber—Standard Sanitary Mfg. Co., Columbus, Ohio.
Chief Engineer of Construction—F. L. Rike.
Blake Closet Fittings are used in both old and new cell blocks.

The engineering and building of a long line such as ours, required much thought, time, and money, but we feel that all has been well spent, and if it pleases and serves others who look for Quality, Sanitation and Convenience, we are amply paid. Your favors to us will be a constant encouragement to do still better, as there always will be room for further improvement.



A. & M. COLLEGE—College Station, Texas Jobber—N. O. Nelson Mfg. Co. Houston, Texas
A large assortment of Blake Drains.

BLAKE PRODUCTS USED IN THESE BUILDINGS

THE NEW YORKER
New York's Largest and Tallest Hotel
This building contains quite a quantity of our products, all of which is giving excellent satisfaction.

We have been in business for thirty years. That means a lot of experience, which is reflected in all of our products.

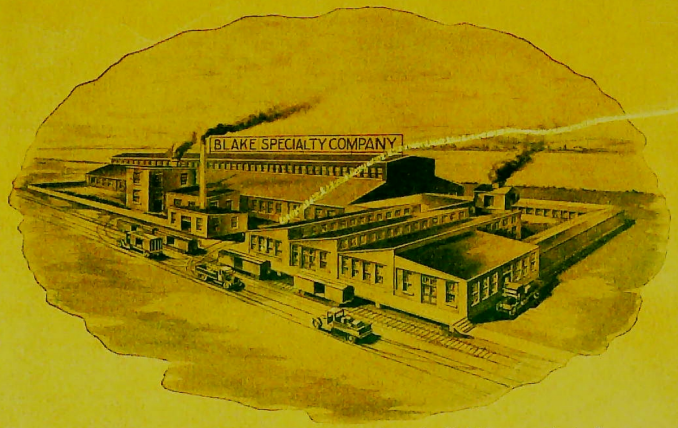
CINCINNATI SUBURBAN BELL TELEPHONE BUILDING
Cincinnati, Ohio
Jobber—Mutual Mfg. & Sup. Co.
Blake Wall Hung Closet Fittings.

AMERICAN STORAGE BUILDING—Los Angeles, Calif.
Architect—Arthur E. Harvey; Los Angeles, Cal.
Builder—Luther T. Mays, Inc., Los Angeles, Calif.
Jobber—A. E. Lyons, Inc., Los Angeles, Calif.
Plumber—Economic Plumbing Co., Los Angeles, Calif.
Blake Roof Drains.

MUNDELEIN COLLEGE FOR GIRLS—Chicago, Ill.
Architect—Joe W. McCarthy, Chicago.
Plumber—O'Callaghan Bros., Chicago.
Jobber—James B. Clow & Sons, Chicago.
Blake Shower and Floor Drains.

Hy-Tech Products

BLAKE SPECIALTY COMPANY



Exterior view of Blake plant, comprising approximately 50,000 square feet of space. Plant is equipped throughout with modern sprinkler system for fire protection, thus assuring the utmost in manufacturing economy.

A corner of our new modern machine shop, built and equipped in 1937. Note all machines have individual motor drives, which reduce manufacturing costs to the minimum.

The Complete Line of Drainage Equipment

Hy-Tech Products

A.I.A. File Number 29C

PHON LE. 1650

E. H. FISHER

SALES ENGR.

BLAKE

General Catalog No. 15

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At-6668

CAST IRON AND BRASS

Plumbing, Drainage and Wall Hanging Closet Equipment

FACTORY REP.
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PITTSBURGH 16 PA.

by

Faithfully serving the Plumbing Trade for 30 years

BLAKE
SPECIALTY CO.
1600 MILL STREET
ROCK ISLAND, ILL.

Printed in U. S. A.

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