



# PUMPER

## SPECIFICATIONS

	PUMPER	RESCUE PUMPER	HEAVY-DUTY RESCUE PUMPER	REAR MOUNT RESCUE PUMPER
<b>CHASSIS CHOICES</b>	All Pierce custom – most commercial	All Pierce custom – most commercial	All Pierce custom	All Pierce custom – most commercial
<b>PUMP RANGE</b>	Waterous, Hale or Darley Midship (500 – 2,000 gpm) PTO (250 – 1,000 gpm)	Waterous, Hale or Darley Midship (500 – 2,000 gpm) PTO (250 – 1,000 gpm)	Waterous, Hale or Darley Midship (500 – 2,000 gpm) PTO (250 – 1,000 gpm)	Waterous, Hale or Darley (500 – 2,000 gpm)
<b>UPPER COMP. DEPTH “FULL USEABLE DEPTH”</b>	12"	26"	26"	26"
<b>LOWER COMP. DEPTH</b>	26"	26"	26"	26"
<b>BODY WIDTH</b>	96"	96"	101"	98"
<b>TANK CAPACITY</b>	500–1,500 gallons	500–1,000 gallons	500–1,000 gallons	500–1,075 gallons
<b>STORAGE CAPACITY</b>	Up to 192 cubic ft.	Up to 280 cubic ft.	Up to 435 cubic ft. (with hatch compartments)	Up to 475 cubic ft.
<b>COMPARTMENT WEIGHT RATINGS</b>	500 lb.	800 lb.	800 lb. (depending on product configuration)	500 lb.
<b>BODY WARRANTY*</b>	10 years	10 years	10 years	10 years
<b>PAINT WARRANTY*</b>	Up to 12 years	Up to 12 years	Up to 12 years	Up to 12 years

\* See your Pierce representative for warranty details.



Ask your Pierce representative to give you all the details or visit:

[www.piercemfg.com](http://www.piercemfg.com)

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PERFORM. LIKE NO OTHER.™

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.

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Not all custom chassis pictured are available for sale, but are representations of the pumper body offerings available at Pierce. Please see your local Pierce representative for custom chassis options.

## ***Perform like no other when everything is on the line.***

When you get called into action, the stakes are high. Lives. Homes. Businesses. You want every possible advantage.

You don't just want a fire truck. You want a firefighting partner that's utterly dependable and fully capable, that never gets in your way, and that practically knows what you need and when you need it.

What looks like a detail in the factory can make a huge difference at the scene. If it can make your rig perform better, we've addressed it: design, materials and manufacturing. Every aspect of quality, fit and finish.

Because we've engineered in performance from the start, we don't need to compensate for poor design with thicker, heavier stock. We insist on welding our bodies. It requires a highly skilled work force, but the results speak for themselves. This commitment is as big as a chassis and as focused as a single bolt: We don't use oversized rivets or other assembly line-type fasteners because they can compromise your performance.

What does this attention to quality mean? In engineer talk, it means tensile load limits and endurance load limits that set industry standards. In English, it means rigs that can perform in the crunch and over the long haul.

And once we design it, we test it. And then we test it some more – because we know that you test it on every run.

We throw everything we can at it – strain gauges, modal analysis, brittle-lacquer, on- and off-road testing and tilt tables. Even the Army's Aberdeen Proving Grounds. So you're ready for every battle.

From frame to finish, every component doesn't simply perform. It performs for you.



PERFORM. LIKE NO OTHER.™





#### HIGH-STRENGTH PUMPHOUSE FRAME.

In addition to less wear and tear, the pumphouse frame prevents valve control rods from binding, keeps perfect alignment on the controls and prevents sagging.

#### FORMED AND WELDED BODIES.

We build them this way for increased longevity, space-enhancements and because it allows for flexible, customized designs. If space is at a premium for you, just say no to extrusions.

#### RUBBER ISOLATORS FOR SHOCK ABSORPTION.

Rubber isolators provide an even more stable body with enough flex to absorb more shock and vibration. So your rig and the equipment stored inside last even longer.

#### LATERAL FRAME EXTENSIONS FOR SUPPORT.

Lateral frame extensions are built off of the chassis frame rails, the strongest part of the truck. They put support where support performs best, under compartments. That's why, even after years of use, Pierce® doors don't sag. Bottom line: You can carry more, with more confidence.

#### TEN-TON RATED TOW BARS.

Pierce® Pumpers feature a tow bar rated at an impressive 10 tons. We put it at the back of the tailboard, so you don't have to crawl on your belly to get to it. Plus, it's designed so you can tie off loads and stabilize them, without the worry of a rope chafing and busting in the middle of a rescue.

## *There are two keys to endurance: Taking punishment. And avoiding it.*

Slammed. Smacked. And then smacked some more. It's another routine run. You have to take the heat. And your pumper body has to take a pounding.

That's why we developed lateral frame extensions featuring 3/8" thick steel supports bolted directly to the chassis frame rails with 5/8" diameter bolts. We then use a floating substructure featuring neoprene elastomer isolators arranged in a 3-point mount that reduce torsional stress and road shock from being transferred to the body. In others words, less wrenching. Less smacking. And it's only from Pierce.

### *Doors that perform.*

Even our doors are designed to perform. Ultimately, they're not doors but shields protecting your most valuable equipment. You can choose from the strongest, automotive-style lap doors with extra heavy duty quarter-inch diameter hinge pins and dual gaskets for a tighter fit and double protection. That's where you get that *ploomb* sound that lets you know you've got a Pierce. Or we offer smooth-as-glass roll-up doors that stay out of your way and come with a lifetime warranty. They're designed and built exclusively for Pierce and feature a 3-inch maximum size roller to not interfere with compartment storage. And we can paint them to perfectly match the body color.





# ***Cookie-cutter design is great for cookies. You – and your community – demand something more.***

A pumper is one of the most important investments you, your department and your community will ever make. Let's face it, 10 years from now, when other decisions are long forgotten, the pumper you choose needs to remain an important part of your firefighting arsenal.

That's why the first question we ask isn't "what can we do?" It's "what do you need?" A short body for tight turning in the city? A medium body to accommodate extra gear? A long body to haul a lot of water in the country? You spec. We deliver.

No one offers you more configurations in more sizes with a wider choice of materials than Pierce. We build aluminum and stainless or galvaneal bodies in six lengths and literally thousands of configurations.

In fact, you can spec just about anything but the kitchen sink. Come to think of it, if you really need that sink, let's talk.

## **PUMPERS**



< We offer a wide range of popular commercial chassis including Kenworth, International, Freightliner and others to meet your department's needs. This configuration includes a medium body, Pierce® hydraulic ladder rack and double pan doors.



> This pumper features an enclosed top-mount pump panel, full-depth lower rear extended compartments, and our hydraulic ladder rack on a long body with roll-up doors.



< This short-body pumper features large rear storage compartments with hinged/lap doors.

> This pumper configuration has a long body with extended compartments, enclosed ladder storage, full-height and full-depth compartments on the driver's side and standard-depth compartments on the passenger's side.

< This medium-length body features a side-mount pump panel with a walkway, special low crosslays, front suction and a low hosebed.





# ***Pump Systems: Customized. Optimized. Maximized. For performance when you need it most.***

From the controls to the caps, we've maximized the performance of every component that directs and delivers the water or foam. That's why we custom engineer and build pump houses and integrated pump panels to your exact specifications with virtually unlimited plumbing options to meet the needs of your department. And our Control Zone™ pump panel provides an unsurpassed level of user-friendly operation.

## **PUMP SYSTEMS**



### **CONTROL ZONE™ MAXIMIZES CONTROL.**

Whether your needs call for side control or top mount, our Control Zone™ organized pump panel simplifies your process and saves you valuable seconds with color coding, standardized knobs, and controls grouped by job, where you expect them to be. When you've got no time, this needs to be a no-brainer. And, it needs to fit the way you work.

### **FOAM SYSTEMS MAXIMIZE KNOCKOUT.**

And we don't forget what's flowing through those pumps. Foam systems that help you perform way beyond the

capabilities of water alone. That's why we've developed and delivered more of them than anybody else.

The Pierce Husky™ Foam System delivers serious knockdown capacity without drawing serious amps – needlessly straining your rig's electrical systems. And the Husky system handles foam viscosities for Class A and B fires, from Alcohol Resistant AFFF to Class A foams. Plus all Husky Foam Systems allow for auxiliary foam pickup so you have the ability to run multiple types of foam at a moment's notice. It's easy to operate and automatically adjust foam output to the proper percentage. And our Husky 30 System uses a metering valve and can run multiple discharges simultaneously.

The Hercules™ Compressed Air Foam System drills firepower right to the source. It's up to four times more effective than water. And in addition to its tremendous knockdown capabilities, it can lay down a long-lasting protective blanket that helps protect firefighters. Its 30% increase in range keeps you farther from the fire. It lasts longer, and adheres better than conventional foams. And a hose that is 50% lighter means less work and less fatigue.

Of course, other foam systems are also available.

### **10S STAINLESS STEEL PIPE MAXIMIZES PERFORMANCE.**

Pierce uses 10S stainless steel pipe wherever possible for greater inside diameter, more flow and less friction loss. Maybe more importantly, our “belled end” fittings allow welded joints that are stronger and less prone to leakage than threaded pipe fittings.

### **VLH CAPS MAXIMIZE SAFETY.**

Our exclusive VLH® caps are self-venting to help reduce firefighter injuries caused by inadvertent pressure release. Grooves perpendicular to the thread allow excess pressure to escape as the cap is loosened. Even if the line is charged to 250 psi, the pressure will dissipate faster than you can unscrew the cap. Of course, bleeder valves are your first line of defense. But it's good to have a built-in safety backup. Every Pierce cap and adapter is a VLH safety valve.



## ***A rescue pumper isn't about specs. It's about situations.***

When Pierce designs a rescue pumper, every feature, every square foot of space, has to help you do your job better.

This means increased storage so you can carry that one new rescue tool that might prove crucial when you're responding to a multi-car pile-up on the Interstate. That's why our rescue pumpers offer full-depth compartments over the entire height of the compartment. Because we rely on strength rather than bulk, we can provide bigger storage spaces and create custom compartment sizes, each with up to 800 lbs. of carrying capacity. And a multitude of storage options let you get to your equipment without skipping a beat.

BELOW: This heavy-duty rescue pumper configuration features storage for hydraulic tools, slide-out tool boards, a ladder/equipment storage deck, an oil absorbent hopper and air bag storage.



RESCUE PUMPERS/HDRPS



### ***And for the most extreme situations of all: Pierce Heavy-Duty Rescue Pumpers.***

Some situations demand all that you've got and virtually everything you can carry.

That's what Pierce® Heavy-Duty Rescue Pumpers are all about. At 101 inches wide, they're specifically designed for the most extreme situations. When a life is on the line and it feels like the world is on your shoulders, you'll appreciate that these top-of-the-line rigs can carry all your gear and more. Each comes with up to 435 cubic feet of equipment storage.

And with tank sizes of between 500 and 1,000 gallons, our HDRP can carry plenty of firepower with them.

Pick your custom chassis. And pick your options. We've got what you'll need. Just tell us what you want and we'll come to the rescue.



## **Bigger tank. Better handling. Easier access.**

One run and you'll see why the Pierce® Rear-Mount Rescue Pumper makes other rear mount designs obsolete.

It all begins with one ingenious feat of engineering: a lower drive train. By making the drive train lower than other rear-mount designs, Pierce makes your job a whole lot easier and safer. Lower chassis cross members give you greater tank capacity, and a lower center of gravity delivers better handling. It brings the hosebeds within easy reach and made the pump controls and discharge outlets more accessible.

The Pierce Rear-Mount also delivers as much storage space as a traditional side mount pumper in a more compact package. That means you can work your way through traffic and get closer to the scene, faster.

The Pierce Rear-Mount Rescue Pumper. Engineered from the ground up to let you perform at the highest level.

## REAR-MOUNT RESCUE PUMPERS



*You get walk-up access to the pump panel, and unobstructed sight lines when you're at the scene. And because the controls are now at the rear, both sides are freed up to give your crews more storage space.*



### **BEAST OF BURDEN.**

At the core of this Rescue Pumper is a 100% welded body that will stand up to years of service. The spacious Pierce® Rear-Mount can haul more gear than any other comparable model because its lateral frame extensions are built directly off of the chassis frame rails—the strongest part of the truck. This puts the support directly under the compartments that will carry your gear.

And you've never seen compartment interiors like these in a fire truck. They're big, clean and uncluttered. Strip lighting illuminates the full interior of each compartment, wiring is fully enclosed and shelf tracks are recessed to maximize storage space. Even breaker boxes, battery conditioners and generator controls are recessed to provide unobstructed compartment interiors and more usable space.

At the same time, the brushed interior surface of the compartments minimizes clean-up and maintenance.

And beneath it all is a quarter inch of flooring and substructure that allows for 800 lb. compartment load ratings.

### **CONTROLS EXACTLY WHERE YOU EXPECT THEM TO BE.**

The exclusive Pierce Control Zone™ pump panel puts the rear-mounted pump controls precisely where you expect them to be. The knobs are standardized, grouped by job and color coded to simplify operation and save time.





### THE HEART OF A CHAMPION.

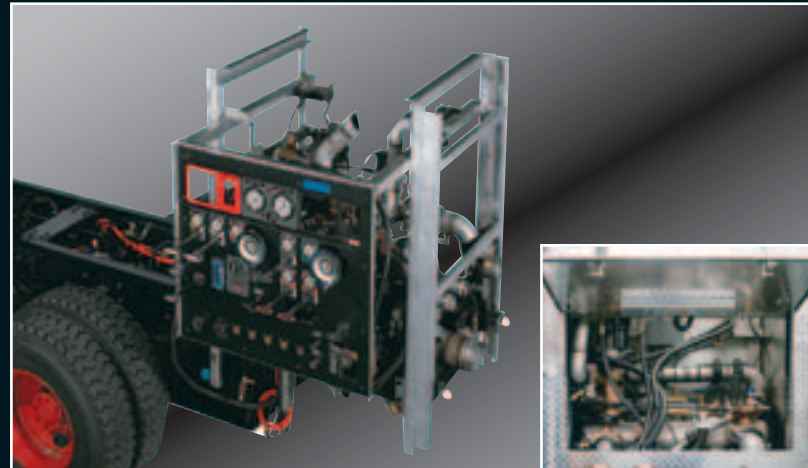
Unlike other rear mount designs, the Pierce® rig fully encloses the powerful pump in a separate high-strength frame that absorbs the torque and stresses that the pump generates. This reduces wear and tear on the body and compartments.

In addition, the 6"-diameter discharge manifold reduces the likelihood of flow-robbing pressure drops, and the welded stainless steel piping—which is backed by a 10-year warranty—offers the ultimate in strength and corrosion resistance.

To keep your rig in front-line condition, the Pierce Rear-Mount Pumper is also designed with your maintenance department in mind:

- Drain valves are located on the operator's panel, not on the underbody where they can interfere with the angle of departure.

- Pump access panel is located directly under the operator's panel for easy access to the foam pump.
- Large rear access door to easily reach most discharge valves
- Valve service tags are attached to the valves for easy identification.
- Use of split-shaft drives in place of marginal transmission PTO driven pumps



### THE BEAUTY IS IN THE DETAILS.

Pierce engineers listened to what firefighters wanted in a rear-mount and the result is a rig that is a pure extension of your crew. Every detail is thought through so they can focus all of their attention on the task at hand.

- 1 Enclosed storage that protects ground ladders from the elements.
- 2 Wrap-around tail lights and flush mounted LED marker lights to make the vehicle more visible.
- 3 A rear ladder in place of steps to provide safer access to the hosebed.
- 4 Removable unpainted fender liners made of brushed stainless steel for greater durability and easy maintenance.

### Popular Options:

- 1 Speedlay hose storage system provides for easier and faster hose access.
- 2 Exclusive Husky™ Foam Systems and Hercules™ CAFS are available for superior knockdown capability.
- 3 Underbody cribbing compartments to make use of every available square inch.
- 4 500 lb. rated floor mounted slide-out trays and 500 lb. rated 3/16" aluminum shelves for versatile tool storage.
- 5 Larger fender compartments for SCBA bottles, wheel chocks, rope bags or fire extinguishers.
- 6 Monitor can be programmed to retract into hatch compartment for out-of-the-way storage.





## ***Storage space is another term for response capability.***

If you can carry it, you can use it. If you can access it, quickly and easily, you can use it more effectively.

For example, you can store your ladders where you want them stored based on the way you use them. On top, on the side or enclosed. And don't forget our awesome hydraulic ladder rack, which presents the ladder down to chest level, where you can grab and go. It saves time while helping prevent injuries from having to climb up on top of your rig. Just as important, our unique twin actuator design frees up compartment space.

# COMPARTMENTS/STORAGE



Tell us what gear you want to store, and where you want to store it and we'll map out a location for every single item. Exhaust fans. Jaws of Life. You name it.

Tell us what kind of trays and tool boards and shelving you want. Working with departments like yours over the years, we've developed just about every choice imaginable. Sliding trays for efficient storage. Tilting trays for easier access.

Tell us where your high traffic areas are. We can put on diamond plate hosebed covers that can take the weight and are easy to maintain.

Talk about strength: Our sliding trays carry a weight rating of 250 or 500 pounds. Our slides feature ball-bearing rollers for smoothness. And our integral latches snap into the locked position like a bank vault.

Your choice of compartment types is almost unlimited. Transverse rear compartments give you more flexibility for storing large equipment. And a full-height rear compartment is one reason you can take it all with you. You can also specify crib compartments and hatch compartments to make use of every available square inch. Top to bottom, front to back.

We both know that storage is only partly about creating space. It's also about saving time.

### LOWER LEFT PHOTO:

This layout features a full-depth front compartment and standard-depth rear compartments, which still allows for up to a 1,000 gallon water tank.



## Performance is about the little things.

At Pierce, we make a big deal about little things.

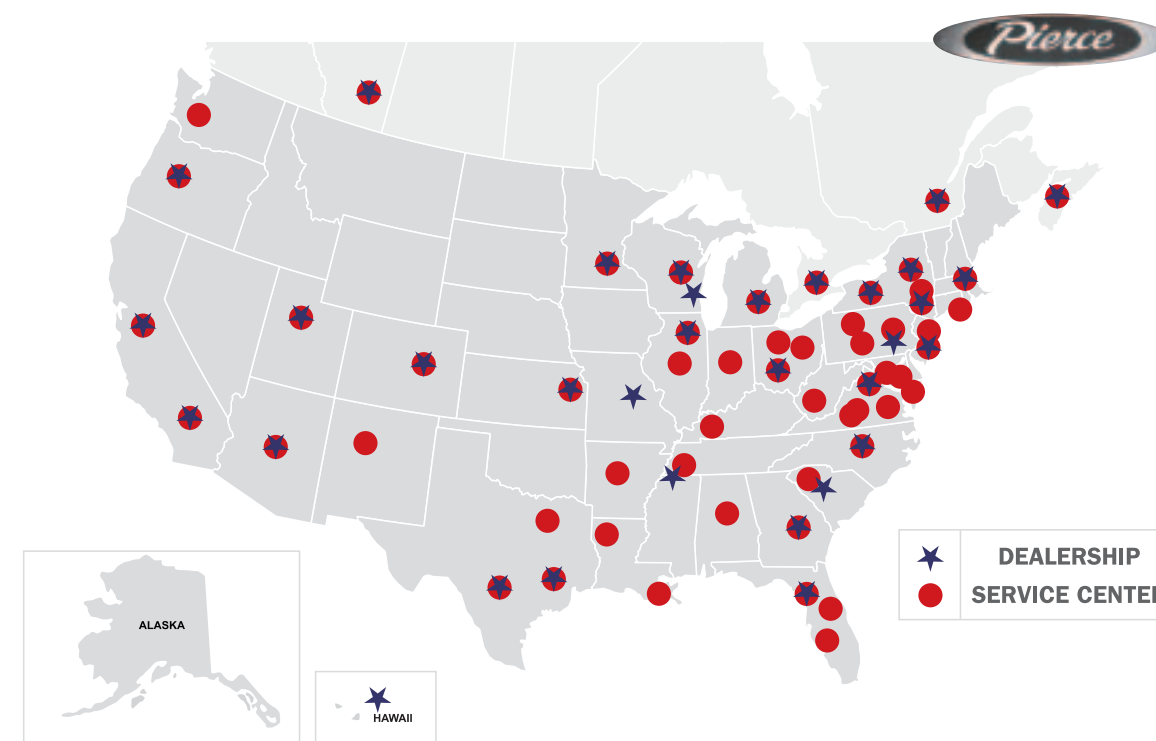
Consider paint. The difference between a Pierce® paint job and others might not be apparent right away. Until you start seeing some bubbles, corrosion or peeling on those other units. By then it's a big problem that isn't going to easily go away.

Here's how we cut the chances of corrosion way down: First we fit all components and drill holes before painting to ensure a proper fit. Then we remove those same components so every millimeter of surface area is exposed. Only then do we prime and paint the surfaces. Rust can't get a foothold. Some may call this a little over-the-top. We call it doing it right.

But it isn't just about painting. It's about pride. We can mix your unique color and create your department's signature look. Visiting firefighters have been known to spend untold hours at our in-house graphics studio, searching through our library of past work and checking out the latest designs.



### Pierce Dealer Sales and Service Network



### From off-the-line shine to down-the-road service, the difference is in the details.

Ultimately, your choice is often about the people and the company that stand behind your pumper. Pierce has the broadest support network and the most knowledgeable reps in the industry. You can tap into their extensive expertise on everything from storage configuration to service agreements. This network means that you protect your investment from the first design meetings to routine preventative maintenance and repairs that will be performed years down the road.

From the pump to the paint, from the chassis to the chrome, we've got a great team eager to build you a great pumper. And when you first set your eyes on your new Pierce rig, we can guarantee one thing: You'll be pumping pure adrenaline.