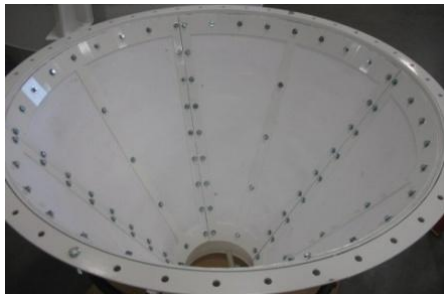




# CYCLONAIRE AERATED BIN BOTTOM

## AERATED CONE BOTTOM



## PRINCIPLE OF OPERATION

Many powders exhibit fluidized behavior when exposed to aeration. By supplying low pressure air through a porous membrane into the powder, the angle of repose is decreased allowing the powder to flow at a much lower angle, smoothly and reliably, than it would without aeration.

## APPLICATIONS

- Steady flow for fluidizable materials
- Material conditioning during storage
- Areas of low head room requiring a shallow core angle

## MATERIALS / CHARACTERISTICS

- Most fluidizable materials such as Carbon Black, Fly Ash, Gypsum, Lead Oxide, Silica, Slag, Terephthalic Acid, Zinc Oxide L and cement for examples.

## CAPACITY

- 3' to 8' diameters with custom sizing available
- Various flow angles available ( 20 – 60 degrees )

## BENEFITS AND FEATURES

- Available in Carbon Steel / Stainless Steel Polyester Felt Pad, Stainless Steel, and Plastic Media
- Custom engineering and sizing for your application
- Available electronic controlled aeration for material conditioning and flow
- Can be fitted to areas of lower head room than traditional cone hopper
- Mating angle ring and hardware for silo outlet
- No moving parts
- Increase discharge rates

## REQUIREMENTS

- Up to 15 psig
- 5 – 20 scfm /sq ft

# CYCLONAIRE AERATED HOPPER DIMENSIONS

AIR FLOW NEEDED	MODEL	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'L'	'M'
64 - 92 SCFM	AC-360660	40 1/4"	36 1/4"	30 15/16"	11"	6 1/8"	8	7/8"	9 1/2"	32	9/16"	38 1/2"	10 GA
129 - 184 SCFM	AC-480660	52 1/4"	48 1/4"	41 1/8"	11"	6 1/8"	8	7/8"	9 1/2"	44	9/16"	50 1/2"	10 GA
215 - 307 SCFM	AC-600660	64 3/16"	60 3/16"	51 1/2"	11"	6 1/8"	8	7/8"	9 1/2"	56	9/16"	62 1/2"	3/16"
63 - 90 SCFM	AC-360860	40 1/4"	36 1/4"	29 3/16"	13 1/2"	8 1/8"	8	7/8"	11 3/4"	32	9/16"	38 1/2"	10 GA
127 - 182 SCFM	AC-480860	52 1/4"	48 1/4"	39 3/8"	13 1/2"	8 1/8"	8	7/8"	11 3/4"	44	9/16"	50 1/2"	10 GA
213 - 305 SCFM	AC-600860	64 3/16"	60 3/16"	49 3/4"	13 1/2"	8 1/8"	8	7/8"	11 3/4"	56	9/16"	62 1/2"	3/16"
58 - 83 SCFM	AC-361260	40 1/4"	36 1/4"	25 7/16"	19"	12 1/4"	12	1"	17"	32	9/16"	38 1/2"	10 GA
122 - 175 SCFM	AC-481260	52 1/4"	48 1/4"	35 13/16"	19"	12 1/4"	12	1"	17"	44	9/16"	50 1/2"	10 GA
208 - 298 SCFM	AC-601260	64 3/16"	60 3/16"	46 3/16"	19"	12 1/4"	12	1"	17"	56	9/16"	62 1/2"	3/16"

**CUSTOM SIZES AND ANGLES  
AVAILABLE**

