

Lorenz

THE CONVEYING PRODUCTS PEOPLE

Manufacturer of Pneumatic Conveying Components

Version 11

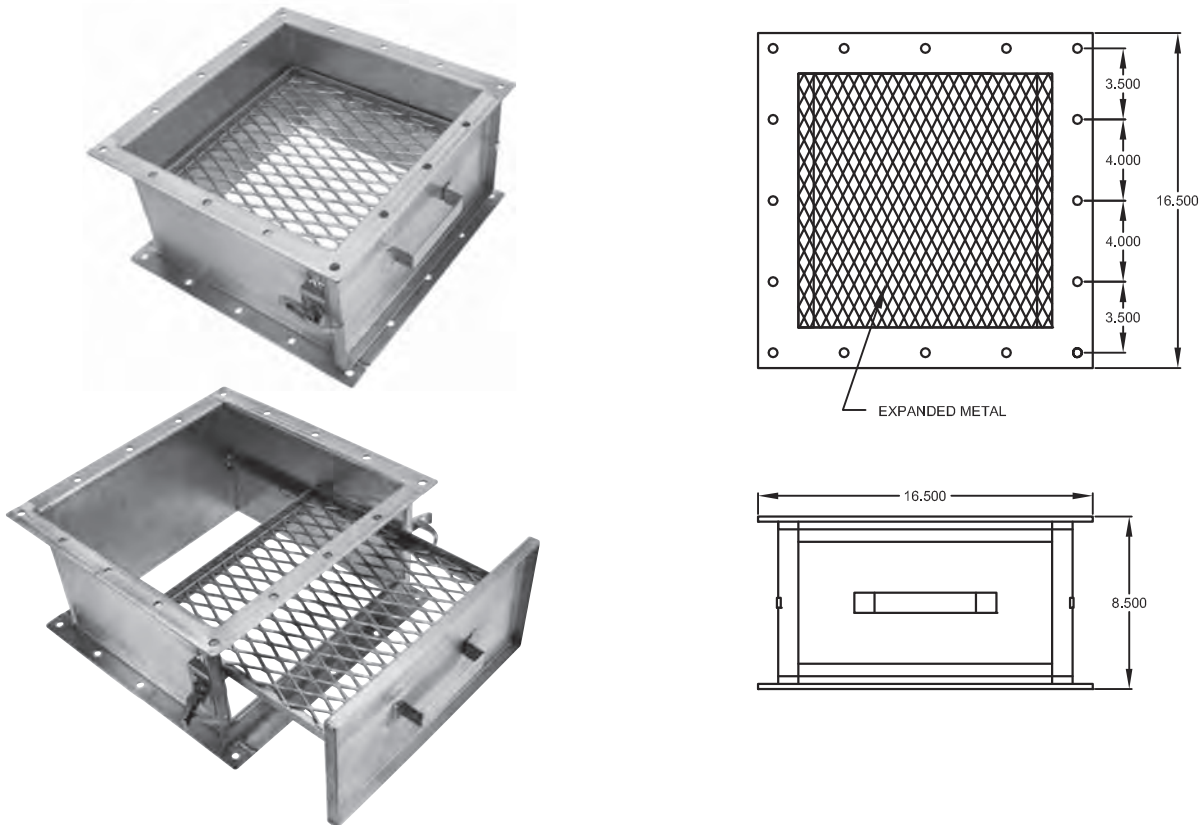


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Angel Hair Trap

Angel Hair Traps “Angel Hair”, “Streamers” or “Snake Skins” Common in the Conveying of Plastic Materials at the Base of a Silo or Storage Bin in Gravity Applications

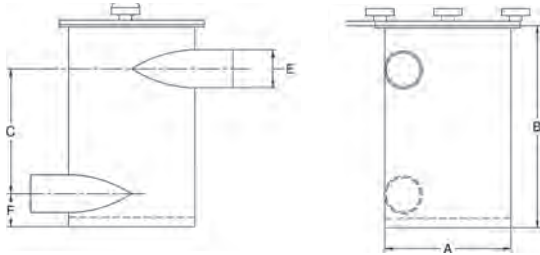


Aluminum Construction • Low profile design is only 8 1/2” high

Standard Features

- Easy clean/removable screens available in stainless steel or aluminum in 3/4” expanded metal size (1/2” expanded metal optional)
- Standard unit mounts directly to 16” square bolt hole pattern Lorenz Maintenance Gates and Distribution (Probe) Boxes
 - Optional 6” height available
 - Custom sizes available

In-Line Angel Hair Trap



A	B	C	E	F	APPROXIMATE CUBIC INCHES
8"	10.75"	6.5"	2"	2"	440
10"	16"	9.875"	3"	2.625"	1130
10"	16"	9.875"	4"	3.125"	1130
10"	16"	9"	5"	3.5"	1130
18"	23.50"	14.375"	6"	4.125"	5710

Features & Benefits

- **Eliminate Downtime** caused by Angel Hair and Streamers
- The clear viewing cover for level indication can be quickly removed for clean out
- For use in vacuum lines and pressure conveying systems
- Three standard body sizes are 8" - 10" and 18" with line sizes from 1.5" O.D. up to 6" O.D.
- Body constructed of 12 gauge - 304 stainless steel
- Connects to line with compression couplings

Designed to mount in the material stream to collect "angel hair", "streamers" or "snake skins" while allowing the pellets to pass through.

Automated In-Line Angel Hair Trap

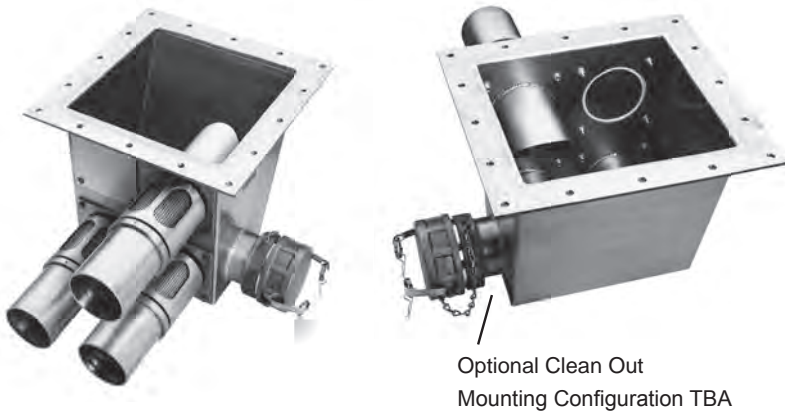


Features & Benefits

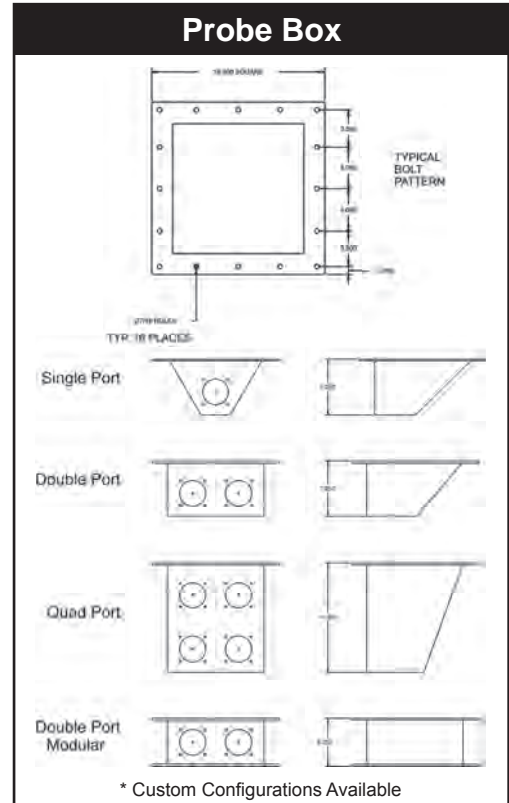
- **Eliminate Downtime** caused by Angel Hair and Streamers
- Sensors indicate when the trap is full
- 1.5" OD to 4.5" OD line sizes with 10" Storage Cans
- Stainless Steel construction with Aluminum or Carbon Steel frame
- Suitable for Pressure & Vacuum Conveying

Probe Box

For Installation Below a Silo to Allow Direct Routing of Conveying Lines.
Multiple Outlets Available Upon Request.

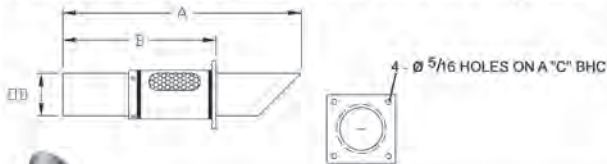


- Aluminum Construction
- Modular Construction
- Extensions may be added
- Stainless Construction Optional



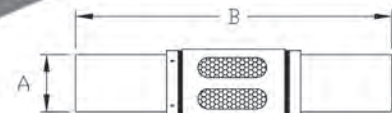
Horizontal Probe

Horizontal Probe allows user to ratio incoming air for proper conveying performance • Aluminum Construction • Stainless construction optional



PART NUMBER	OD	A	B	C
HP15A HP15S	1.5	13	9	4.5
HP175A HP175S	1.75	13	9	4.5
HP2A HP2S	2	13.25	9	4.5
HP25A HP25S	2.5	14	9	4.5
HP3A HP3S	3	14	9	4.5
HP35A HP35S	3.5	15	9	4.5
HP4A HP4S	4	17	10.5	6.5

Air Flow Control



Air Flow Control			
Model		Dimensions	
Aluminum	Stainless	A	B
AFC15A	AFC15SS	1.5	14
AFC175A	AFC175SS	1.75	14
AFC2A	AFC2SS	2	14
AFC25A	AFC25S	2.5	14
AFC3A	AFC3SS	3	14
AFC35A	AFC35SS	3.5	14
AFC4A	AFC4SS	4	14

All units in inches

Cyclones



High Efficiency (HE)
Three Piece



High Efficiency One Piece

High Efficiency (HE) for Powders & Fine Materials

- Standard One Piece Construction
- Stainless Steel - Carbon Steel - Aluminum
- From 200 CFM to 8000 CFM
- Standard sizes available from 12" to 90"
- Scrolled Inlet/Outlet Minimizes Wear
- Standard Mounting Brackets
- Less Turbulence, Less Resistance
- Optional 3 Piece Construction for Easy Cleaning
- Standard Clockwise Rotation



Normal Efficiency (NE)

Normal Efficiency (NE) for Pellets & Larger Materials

- Solid 1 Piece Construction
- Stainless Steel - Carbon Steel - Aluminum
- From 200 CFM to 8000 CFM
- "Straight In" Inlet/Outlet for Heavier Products
- Standard Mounting Brackets
- Top Outlet can be Piped to Outside or Dust Collection
- Standard Clockwise Rotation



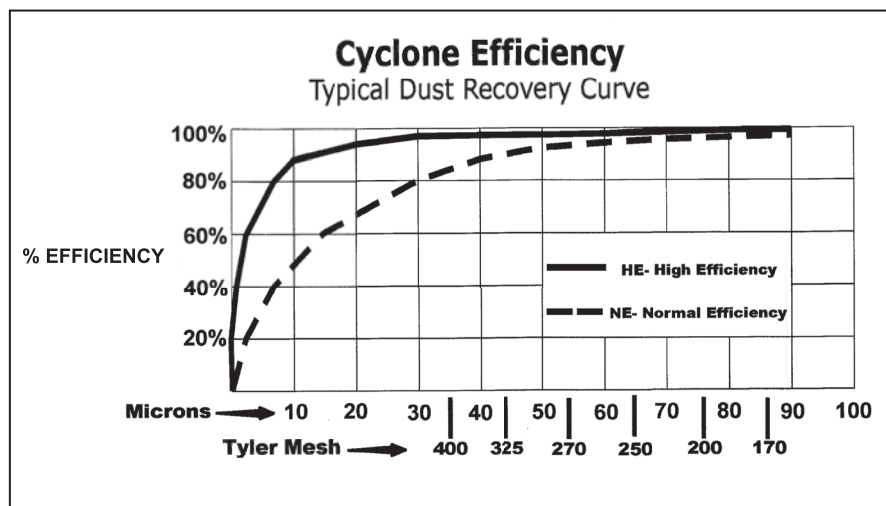
Customizations: Non-standard Sizes & Configurations

Cyclone Information

High Efficiency (HE) Cyclone
Scroll Inlet/Outlet configuration



Normal Efficiency (NE) Cyclone
Inlet/Outlet configuration



Options

- Mounting brackets
- Access/Cleanout Doors
- Plain End & Flanged Inlets/Outlets
- Perforated Construction
- Counter Clockwise Inlets/Outlets (HE)
- Multiple Inlets
- Rotating Tops (HE)
- Wear Liners