



Pneumatic Conveying Components



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Global Technology & Engineering

Provides the highest quality equipment and components for the Industrial Automation and Waste Water Treatment marketplace.

Global's commitment to Total Customer Satisfaction includes:

Dedicated Inventory

Value Added Capabilities

Professional Team of Sales, Engineering, and Support Personnel.

Blowers

Blower packages, blowers, blower repair, weighted relief valves, check valves and intake filters



Convey Line & Accessories

Tubing, pipe, mandrel bent elbows, compression couplings, camlok couplings, adapters, mitered elbows, tubing tees, wyes & laterals, reducers, sight glass, PVC hose, and clamps.



Industrial Vacuum

Instalok, slip couplings, shrink sleeves, standard 90° TY's, standard 45° YL's, standard double TY's, YL's, & Y's, reducing couplings, adapters, vacuum hose, clamps, unistrut, installation components & filters.

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All information in this catalog is subject to change without notice. 07/24/2015

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Blower Packages

Global Technology's Blower Packages are designed to provide our customers with the best combination of components for extended life, quality and minimum maintenance. Units are designed around our integral base and inlet silencer. Silencer/blower combination is properly sized for maximum sound attenuation. Silencing attenuation estimates are available for all blower packages. Sound enclosures are available for critical installations.

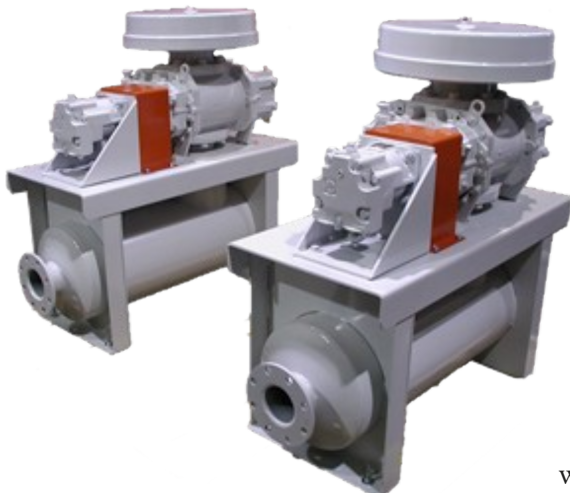
Features

- Positive Displacement Blower (Roots, MD / Tuthill™, Sutorbilt®, Duroflo®)
- TEFC 230/460 volt Motor
- Inlet Filter / Silencer
- Discharge Silencer
- V-Belt Drive
- Belt Guard Adjustable Motor Base
- Relief Valve
- Pressure Gauge
- Standard Powder Coat Finish on Base, Silencer(s) and filter for maximum corrosion resistance
- Compact design for minimum floor space
- Proper component selection for maximum attenuation



Options

- Check Valve
- Temperature Gauge
- Motor Options: High Efficiency, Explosion Proof, Mill & Chem Duty
- Motor Starters
- Vibration Isolators
- Sound Enclosures



Blowers

Dresser Roots™

URAI



- Detachable steel mounting feet
- Rigid one-piece cast iron casing
- Connections in standard pipe sizes
- Straight, precision machined two-lobe impellers
- Splash oil lubricated gears
- Carburized and ground alloy steel spur timing gears
- Anti-friction gears
- Ground steel shafts
- Center timed for rotation in either direction

- Drop-in replacement for DuroFlo ©, Equalizer ©, and Big Jack equivalent blowers.
- Detachable steel mounting feet (feet are different for horizontal and vertical mounting)
- Ribbed cast iron casing and ridged headplates
- Piston ring seals reduce leakage through the shaft openings in the headplates.
- Lip type seals prevent lubrication from entering the air chamber.
- Machined and dynamically balanced ductile iron impellers with integral shafts
- Splash oil lubricated gears on drive and gear ends
- Carburized and ground alloy steel spur timing gears

Roots-Flo



- Heavy duty unit with integral-shaft ductile iron impellers with an involute profile
- Rigid one-piece casing and headplates are grey iron
- Drive end cover and end cover are aluminum
- Carburized and ground alloy steel spur timing gears
- Cylindrical roller bearings
- Piston rings reduce air leakage
- Lip type oil seals prevent lubrication from entering the air chamber
- Hydrodynamic seal on the drive shaft prevents oil leaks
- Splash oil lubricated gears on drive gear ends
- Detachable steel mounting feet
- Horizontal and vertical configurations available

RAM



Blowers

Sutorbilt®/Duroflo®



For years, Global Technology has supplied pressure and vacuum blower packages for the Pneumatic Conveying, Dust Collection, and Waste Water Industries featuring Sutorbilt® and Duroflo® Blowers.

Replacement Items for our packages include:

- Motors
- Silencers
- Intake and Inline Filter
- Blowers
- Pressure and Vacuum Relief Valves
- Gauges
- V-Belt Drive

Gardner Denver and Sutorbilt® are trademarks of Gardner Denver. Global Technology & Engineering is not associated with, authorized by or approved by Gardner Denver

Positive Displacement Blower Repairs

Positive Displacement repair technicians are factory trained although it is their 20+ years of experience that is value added for you. The technicians have seen just about every type of problem you can imagine and there isn't a blower out there that they cannot repair. A visual inspection of your blower tells them everything they need to know.

We stock major parts and repair kits to ensure quick turnaround, competitive pricing and a full year warranty guarantees that you can count on us for all of your repair needs. We service all brands including, but not limited to:

- Gardner Denver®
- Duroflo®
- Sutorbilt®
- CycloBlower®
- Tuthill M-D Pneumatics™
- Kaeser™
- Competitor®
- Equalizer™
- PD Plus®
- Lamson™
- Hoffman™
- Hicks Hargreaves™

Before



After



Weighted Relief Valves

Weighted Relief Valves

Weighted Pressure Relief Valve's are offered in 2", 3", and 4" sizes for capacities through 3400 CFM. An elementary design is coupled with a high-quality anodized and heat treated aluminum construction which offers reliable performance and simple calibration. Proven design ensures years of reliable service.



Features

- Pressure valves are available from 1 PSIG through 29 PSIG with a calibrated 0.5 PSIG increment per removable weighted disc
- Vacuum valves are available from 2"Hg through 30"Hg with a calibrated 1"Hg increment per removable weighted disc
- Anodized aluminum construction for years of trouble-free service
- All operating surfaces are machined and the entire valve is heat treated
- Retainer ring ensures valve settings are not tampered with
- Simple method of opening and closing insures that the valve is virtually chatter-free
- Pressure Models have standard MPT connections
- Vacuum models have standard FPT connections
- High flow-through capacity
- Minimal maintenance required

Check Valves

Check Valves

Check valves operate in a one-way direction to prevent process flow from reversing in air and gas systems. Flow in the desired direction opens the valve, while backflow forces the valve closed. Our wafer-style swing check valve features a balanced disc where only 33% of the disc area is unbalanced. This is considerably less than conventional check valves. This feature tends to reduce back-flow and eliminate slamming (a major factor in valve failure), and permits the disc to open with a minimum of pressure differential.

Features

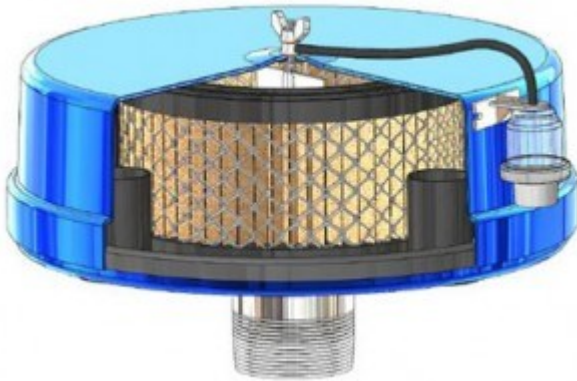
- Aluminum body and disc
- Wafer design fits between 150# flanges
- Stainless steel stem for strength and durability
- Teflon seat and stem bushings extends service life
- Teflon is rated to +500°F
- Minimum pressure drop
- Maximum flow due to the low-profile, aerodynamic disc design
- One-piece thru stem
- Only one moving part ensures long, trouble-free service
- Low maintenance
- Teflon seat is easily replaced
- Lightweight for easy installation
- Minimal space required for lightweight piping applications
- Available in 3" through 10"



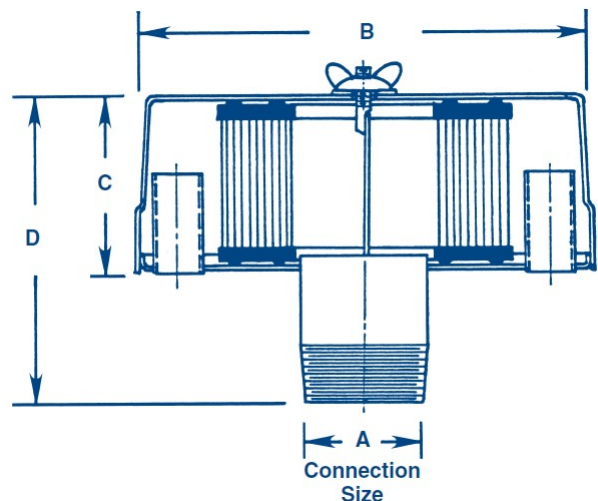
Intake Filters

Stoddard

Series F64 Air Intake Filter is designed to mount directly on the inlet of an engine, compressor or blower. It provides 16dB to 20dB noise reduction and the paper filter media has an efficiency of 99% on 1 micron particles.



Model	A Connection Size	B	C	D	Rated CFM	Element Number
F64-1	1" NPT	10	4	7	35	F8-108
F64-1½	1½ NPT	10	4	7	80	F8-108
F64-2	2" NPT	10	4	7	135	F8-108
F64-2½	2½ NPT	10	4	7	180	F8-108
F64-3	3" NPT	16	5	8	285	F8-109
F64-4	4" NPT	16	5	8	520	F8-109
F64-5	5" NPT/ FLG	16	5	8	750	F8-109
F64-6	6" Flange	20	5	8	1235	F8-110
F64-8	8" Flange	20	10	13	2125	F8-111



Intake Filters

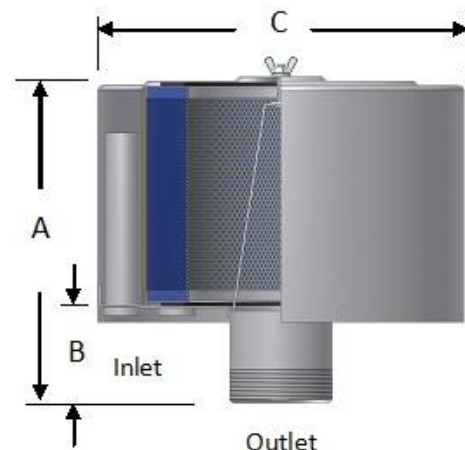
Solberg

Small Compact Intake Filter Silencers



Features

- Fully drawn weather hood - no welds to rust or vibrate apart
- Tubular silencing design - tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish & powder coated weather hood



Specifications

- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 10"-15" H₂O over initial delta P
- Pressure drop graphs available upon request
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

Options

- Various media available
- 1/8" tap holes
- Pressure Drop Indicator
- Available in Stainless Steel
- Epoxy coated housings
- Special connections, NPT
- Side Access Silencers Filters for space restricted enclosures (Selected models)
- Available in sizes 1/2"- 3"

Intake Filters

“Big Boy” Large Filters

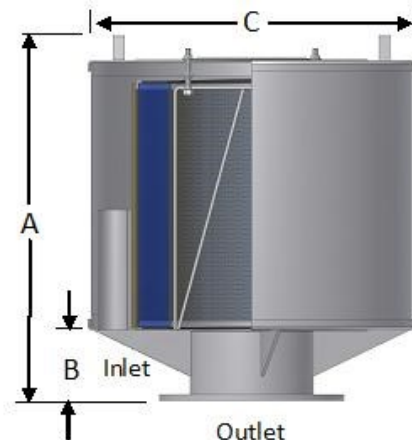


Specifications

- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop.
- Durable Carbon Steel construction with gray baked enamel finish
- Low pressure drop center bracket and outlet pipe design

Options

- Various media available
- 1/8" tap holes
- Pressure Drop Indicator
- Available in Stainless Steel
- Epoxy coated housings
- Single Barrel Lg. Flow Mega Boy Filters
- Side Access Silencers Filters for space restricted enclosures (Selected models)
- Available in sizes 8" - 14"



Features

- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 10" - 15" H₂O over initial delta P
- Pressure drop graphs available upon request
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

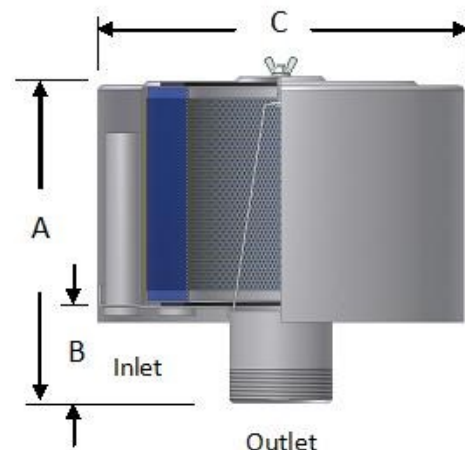
Intake Filters

Compact Intake Filter Silencers



Features

- Fully drawn weather hood - no welds to rust or vibrate apart
- Tubular silencing design - tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish & powder coated weather hood



Specifications

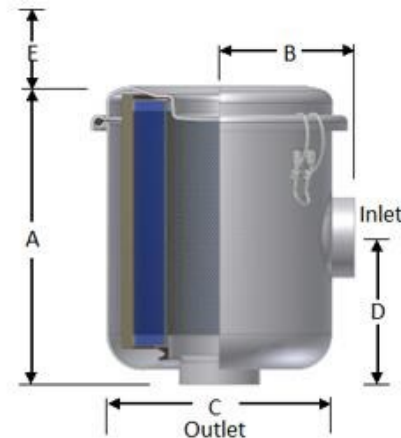
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 10"-15" H₂O over initial delta P
- Pressure drop graphs available upon request
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

Options

- Various media available
- 1/8" tap holes
- Pressure Drop Indicator
- Available in Stainless Steel
- Epoxy coated housings
- Special connections, NPT
- Side Access Silencers Filters for space restricted enclosures (Selected models)
- Available in sizes 3"- 6"
- With or without flanges (4"-6")

Intake Filters

Small Compact Inlet Vacuum Filter



Features

- Seamless drawn housings
- Brazed fittings for high vacuum duty
- Stainless Steel torsion clips for durability
- Positive engagement O-Ring seal system
- Rugged all steel construction with baked enamel finish

Options

- Vacuum gauge
- Dome hood for high holding capacity
- Material/Finishes: Stainless Steel, Epoxy coating
- Support brackets
- Alternative top-to-canister fastening system for low pressure pulsating systems
- Available in sizes 3/8" - 3"

Benefits

- Large dirt holding capacity and easy field cleaning especially when mounted horizontally or inverted
- Designed to handle high vacuum applications
- Low pressure design

Specifications

- Vacuum Rating: Gas tight O-Ring seal
- Temp (continuous): min -16°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over delta P
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

Intake Filters

Mid-sized Inlet Vacuum Filter



Features

- Heavy Duty T bolts for easy maintenance
- Inlet & Outlet 1/4" gauge taps
- Positive engagement O-Ring seal system
- Rugged all steel construction with powder coat finish

Benefits

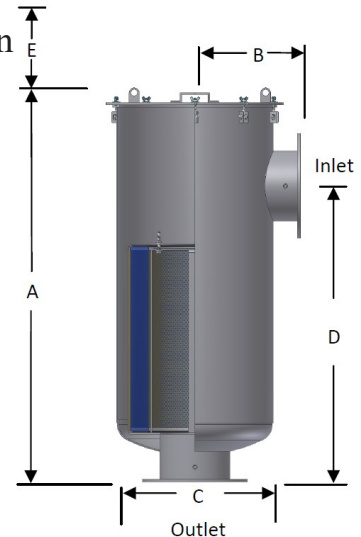
- Large dirt holding capacity and easy field cleaning especially when mounted horizontally or inverted
- Low pressure drop construction

Options

- Straight-through configurations
- Various filter media
- Material/Finishes: Stainless Steel, Epoxy coating
- Custom connections
- Flange faces free of paint
- Internal surfaces free of paint
- Lifting lugs
- Brackets for optional support legs
- Nameplate bracket
- Available in sizes 3" - 6"

Specifications

- Vacuum Rating: Medium vacuum service
- Hydrostatically tested to 0.5 bar pressure for vacuum seal
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15-20" H₂O over delta P
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron



Intake Filters

Large Inlet Vacuum Filter

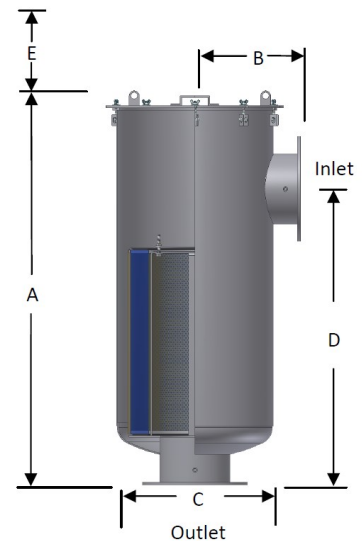


Features

- Heavy Duty T bolts for easy maintenance
- Inlet & Outlet 1/4" gauge taps
- Positive engagement O-Ring seal system
- Rugged all steel construction with baked gray enamel finish

Benefits

- Large dirt holding capacity and easy field cleaning especially when mounted horizontally or inverted
- Low pressure drop construction



Options

- Straight-through configurations
- Various filter media
- Material/Finishes: Stainless Steel, Epoxy coating
- Custom connections
- Activated Carbon Pre-filters to reduce odor
- Brackets for optional support legs
- Pressure drop graphs available upon request
- Available in sizes 8" - 12"

Specifications

- Vacuum Rating: Medium vacuum service
- Hydrostatically tested to 0.5 bar pressure for vacuum tightness
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 10"-15" H₂O over delta P
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

Intake Filters

Compact “T” Style Inlet Vacuum Filters

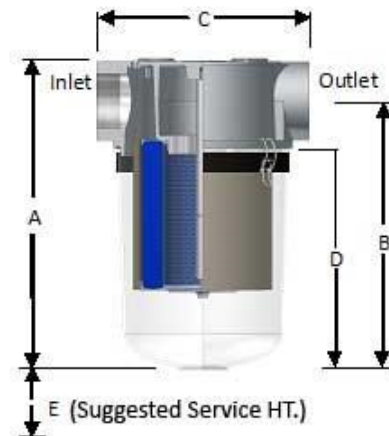


Features

- Compact design for space restrictions; min. service area
- Inlet above element for extended element life & maintenance intervals
- Cast, corrosion resistant aluminum top with machined connections: - Integrated baffle design
- 4 M12 taps for mounting brackets: 2” - 6”
- “T” style design minimizes piping requirements
- 1/4” Differential gauge ports: 2” - 6”

ST Specifications

- See-through bucket made from polycarbonate material
- Bucket has a high tensile strength for dimensional stability
- Temp ratings: -Complete assembly max: 220°F (104°C)
-See-through bucket only max: 257°F (125°C)
- Increased holding capacity



Technical Specifications

Options

- Swing bolts for heavy duty environments
- 1” to 1-1/2” housings have dimples for optional gauge ports & mounting bracket taps
- Epoxy coated housings
- Drain ports
- Spool piece extender on select models
- ISO flange connections: NW25, NW40 (select models)
- Vacuum Rating: Gas tight seal
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15 - 20” H₂O over initial delta P
- Polyester: 99% + removal efficiency standard to 5 micron
- Paper: 99% + removal efficiency standard to 2 micron

Convey Line & Accessories

Tubing

Materials:

Aluminum Tubing is 6063 ASTM B221
Carbon Steel Tubing is ASTM A513
304 Stainless Steel Tubing is ASTM A249
Galvanized Tubing is ATM A513

Specifications:

Tubing is measured by the outside diameter (OD) and the wall thickness in gauges.

Straights come in 20' lengths, cut sizes are also available.

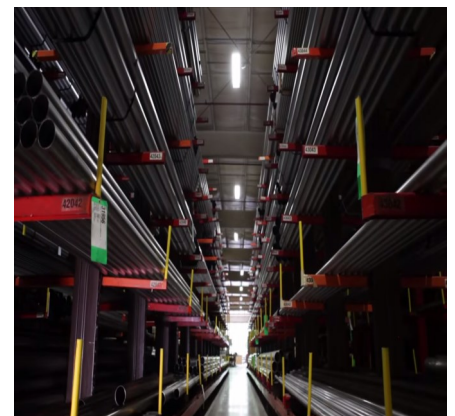


How to Order:

- Specify material: Aluminum, Carbon Steel, Stainless Steel, or Galvanized Steel.
- Specify outside diameter of Tube.
- Specify wall thickness (gauge).
- Specify total quantity (in feet).

Size	Gauge
1.5"	16, 14, 11
1.75"	16, 14, 11
2"	16, 14, 11
2.25"	16, 14, 11
2.125"	16, 14, 11
2.25"	16, 14, 11
3"	16, 14, 11
3.5"	16, 14, 11
4"	16, 14, 11
4.5"	14, 11
5"	14, 11
6"	14, 11
8"	14, 11
10"	12

Tube Gauge	Wall Thickness
16 GA	.065"
14 GA	.083"
11 GA	.120"



Convey Line & Accessories

Pipe

Materials:

Aluminum Pipe is 6063 ASTM B221

Carbon Steel Pipe is ASTM A53

304 Stainless Steel Pipe is ASTM A312

Specifications:

Pipe is measured by the nominal inside diameter (ID).

Wall thickness is determined by the schedule.

Straights come in 20' or 21' lengths. Cut lengths are also available.

How to Order:

- Specify material: Aluminum, Carbon Steel, Stainless Steel, or Galvanized Steel.
- Specify inside diameter of pipe.
- Specify wall thickness (schedule).
- Specify total quantity (in feet).

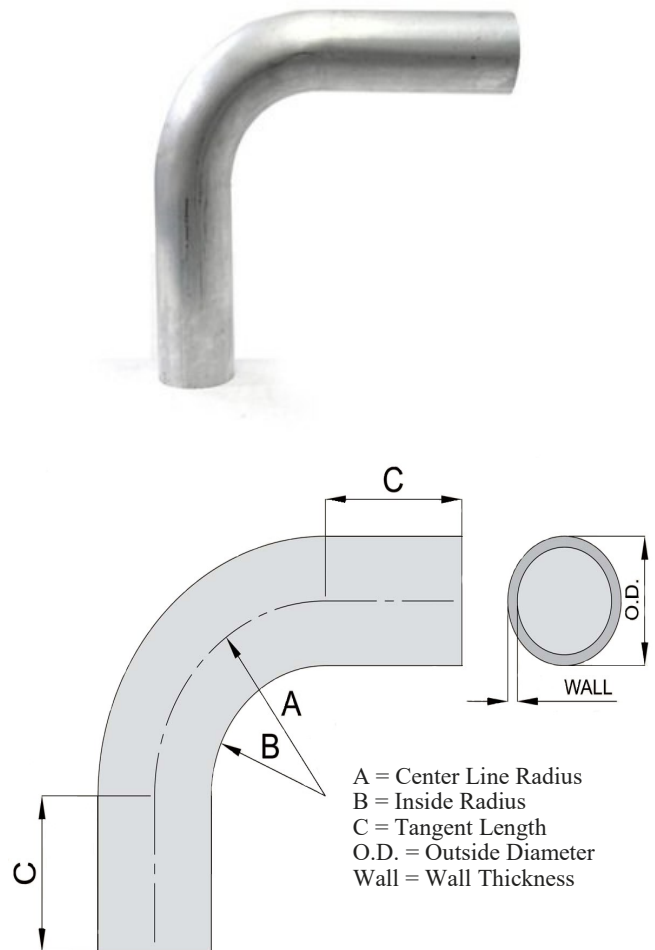
Size	Inside Diameter (ID)	Schedule 5	Schedule 10	Schedule 40
1.5"	1.900	.065	.109	.145
2"	2.375	.065	.109	.154
2.5"	2.875	.083	.120	.216
3"	3.500	.083	.120	.216
3.5"	4.000	.083	.120	.226
4"	4.500	.083	.120	.237
5"	5.563	.109	.134	.258
6"	6.625	.109	.134	.280
8"	8.625	.109	.148	.322



Convey Line & Accessories

Tube Elbows

Size	Center Line Radius (CLR)
1.5"	2.5, 4, 6, 7.5, 9, 12, 15, 18, 24, 30, 36
1.75"	2.5, 8, 9, 12, 15, 18, 24, 30, 36
2"	2.5, 3, 4, 5, 6, 8, 8.5, 9, 10, 12, 15, 18, 24, 30, 36, 48
2.125"	3.5, 5, 12, 24, 30, 36
2.25"	2.5, 3, 4, 9, 12, 15, 18, 24, 30, 36
2.5"	2.5, 4, 6, 9, 12, 15, 18, 24, 30, 36, 48
3"	3, 4.5, 6, 7.5, 9, 12, 15, 18, 24, 30, 36, 48
3.5"	4, 5, 6, 8, 9, 12, 15, 18, 24, 30, 36, 48, 60
4"	4, 6, 10, 12, 18, 24, 30, 32, 36, 48, 60
4.5"	6, 9, 12, 16, 18, 20, 24, 30, 32, 36, 48, 60
5"	7.5, 12.5, 18, 24, 30, 36, 42, 48, 60
6"	9, 15, 24, 30, 36, 42, 48, 60, 72
8"	12, 20, 32, 48, 60, 72



Degrees Available: 90, 60, 45, 30

Tube Gauge	Wall Thickness
16 GA	.065"
14 GA	.083"
11 GA	.120"

* Certain radii are not always available in each material or gauge.

How to Order:

- Specify material: Aluminum, Carbon Steel, Stainless Steel or, Galvanized Steel.
- Specify outside diameter of Tube
- Specify wall thickness (gauge)
- Specify the degree of bend
- Specify the Center Line Radius

Convey Line & Accessories

Pipe Elbows

Size	Outside Diameter (O.D) In Inches	Schedule			Center Line Radius (CLR) In Inches
		5	10	40	
1.5"	1.900"	.065	.109	.145	5, 6, 7.5, 9, 10, 12, 18, 24, 30, 36, 48
2"	2.375"	.065	.109	.154	6, 7.5, 9, 10, 12, 17, 24, 30, 36
2.5"	2.875"	.083	.120	.203	12.5, 17, 24, 30, 36
3"	3.500"	.083	.120	.216	4, 6, 8.75, 9, 12, 15, 16, 18, 20, 24, 30, 36, 48, 60
3.5"	4.000"	.083	.120	.226	6, 10, 12, 18, 20, 24, 30, 32, 36, 48, 60
4"	4.500"	.083	.120	.237	6, 9, 12, 16, 18, 20, 24, 30, 32, 36, 48, 60
5"	5.563"	.109	.134	.258	20, 30, 36, 42, 48, 60
6"	6.625"	.109	.134	.280	24, 30, 36, 42, 48, 60, 72
8"	8.625"	.109	.148	.322	32, 40, 48, 60, 72

Degrees Available: 90, 60, 45, 30

How to Order:™

- Specify material: Aluminum, Carbon Steel, or Stainless Steel
- Specify outside diameter of pipe
- Specify wall thickness (schedule)
- Specify the degree of bend
- Specify the Center Line Radius

* Certain radii are not always available in each material or schedule.



Convey Line & Accessories

Compression Couplings for Tubing

Tube Size (OD)	Number of Bolts	Coupling Length
1.5"	2	4"
	3	6"
1.75"	2	4"
	3	6"
2"	2	4"
	3	6"
	4	8"
2.125"	2	4"
	3	6"
2.25"	2	4"
	3	6"
	4	8"
2.5"	3	6"
	4	8"
3"	3	6"
	4	8"
3.5"	3	6"
	4	8"
4"	3	6"
	4	8"
4.5"	3	6"
	4	8"
5"	3	6"
	4	8"
6"	3	6"
	4	8"
	5	10"
8"	4	10"
	5	12"
10"	4	10"
	5	12"



Gaskets

Standard Gasket:

- Black Neoprene with Stainless Steel Static Strip.

Other options include:

- White Neoprene Gasket (Food Grade).
- Red Silicone High Temperature Gasket (500°F)
- Viton Gasket (Chemical & Oil Resistant).
- Stainless Steel Gasket Protector.

*Replacement Gaskets are also available



Convey Line & Accessories

Compression Couplings for Pipe

Pipe Size	Actual OD	Number of Bolts	Coupling Length
1.25"	1.66"	2	4"
		3	6"
1.5"	1.9"	2	4"
		3	6"
2"	2.375"	3	6"
		4	8"
2.5"	2.875"	3	6"
		4	8"
3"	3.5"	3	6"
		4	8"
3.5"	4"	3	6"
		4	8"
4"	4.5"	3	6"
		4	8"
5"	5.563"	3	6"
		4	8"
6"	6.625"	3	6"
		4	8"
		5	10"
8"	8.625"	4	10"
		5	12"



How to Order:

- Specify Size (OD)
- Specify Gasket Material
 - Black Neoprene
 - White Neoprene (Food Grade)
 - Red Silicone (High Temperature 500°F)
- Specify the Coupling Length
- Specify Gasket Protector

B - S - 6625 - 6 - O
 | | | | |
 B - Black Neoprene Gasket
 W - White Neoprene Gasket
 S - With Grounding Strip
 6625 - O.D. of Tube or Pipe in Inches
 6 - Length in Inches
 O - Without Protector
 P - With Protector

Convey Line & Accessories

Comlock Couplings

Available sizes include: 3/4", 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", 6".

Available Materials include: Cast Aluminum or 316 Stainless Steel.

Part "A"- Adapter X Female NPT Thread



Part "B"- Coupler X Male NPT Thread



Part "C"- Coupler X Hose Shank



Part "D"- Coupler X Female NPT Thread



Part "E"- Adapter X Hose Shank



Part "F"- Adapter X Male NPT Thread



Convey Line & Accessories

Adapters

Dust Cap



Dust Plug



Female Socket Weld



Male Socket Weld



Female Quick Adapter



Male Quick Adapter



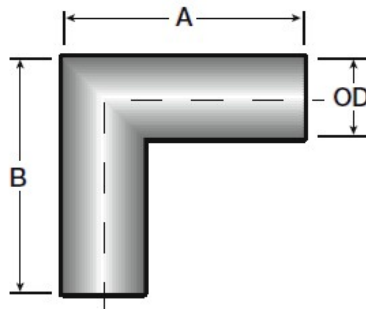
Convey Line & Accessories

Mitered Elbows & Tubing Tees

Two piece Mitered Elbows constructed out of Aluminum, Carbon Steel and Stainless Steel.

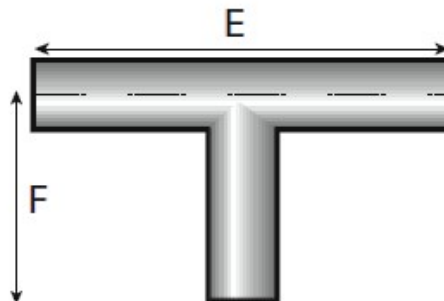
Wall Thickness availability:

16 Gauge, 14 Gauge & 11 Gauge.



(OD) Outside Diameter	A	B
1.5"	6"	6"
2"	6"	6"
2.5"	6"	6"
3"	6"	6"
3.5"	7"	7"
4"	8"	8"
5"	10"	10"
6"	12"	12"
8"	16"	16"

(OD) Outside Diameter	E	F
1.5"	16"	8"
1.75"	16"	8"
2"	16"	8"
2.125"	16"	8"
2.25"	16"	8"
2.5"	16"	8"
3"	16"	8"
3.5"	16"	8"
4"	16"	8"
4.5"	18"	9"
5"	18"	9"
6"	20"	10"

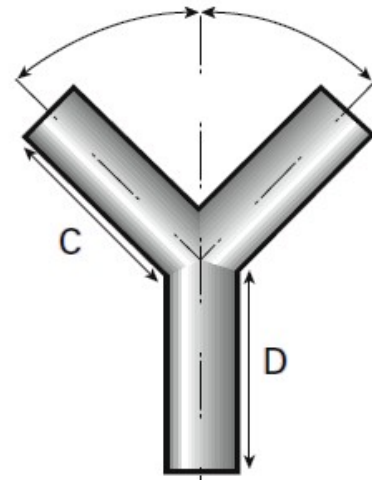


- **Available Wall Thickness for Tees:** 16 Ga, 14 Ga & 11 Ga.
- **Materials include:** Aluminum, Carbon Steel & Stainless Steel
- Pipe Tees are available upon request.

Convey Line & Accessories

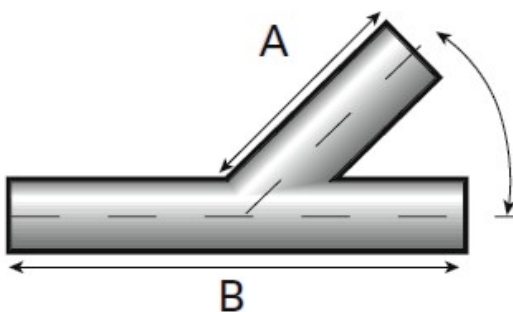
Wyes & Laterals

OD Outside Diame- ter)	C	D	Degree
1.5"	8"	8"	30, 45
1.75"	8"	8"	30, 45
2"	8"	8"	30, 45
2.25"	8"	8"	30, 45
2.5"	8"	8"	30, 45
3"	8"	8"	30, 45
3.5"	8"	8"	30, 45
4"	8"	8"	30, 45
4.5"	10"	10"	30, 45
5"	11"	11"	30, 45
6"	12"	12"	30, 45



Materials Available include: Aluminum,
Carbon Steel & Stainless Steel

Available Wall Thickness include: 16
Ga, 14 Ga & 11 Ga.



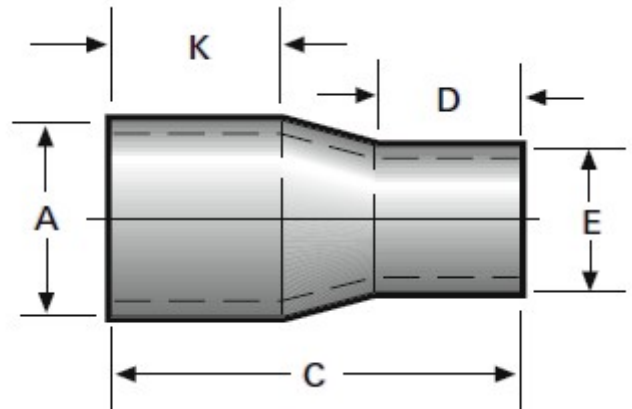
OD Outside Diame- ter)	A	B	Degree
1.5"	8"	16"	30, 45
1.75"	8"	16"	30, 45
2"	8"	16"	30, 45
2.25"	8"	16"	30, 45
2.5"	8"	16"	30, 45
3"	8"	8"	30, 45
3.5"	8"	8"	30, 45
4"	8"	8"	30, 45
4.5"	10"	10"	30, 45
5"	11"	11"	30, 45
6"	12"	12"	30, 45

Convey Line & Accessories

Reducers & Sight Glass

Size	Gauge	A (OD)	E (OD)	C	D/K
1.5" X 2"	16	2"	1.5"	6.937"	3
1.75" X 2"	16	2"	1.75"	6.437"	3
2" X 2.25"	16	2.25"	2"	6.437"	3
2" X 2.5"	16	2.5"	2"	6.937"	3
2.25" X 2.5"	16	2.5"	2.25"	6.437"	3
2.5" X 3"	16	3"	2.5"	7.5"	3
2.5" X 4"	16	4"	2.5"	14.25	4

Reducers



Sight Glass

Acrylic Sight Glass allows you to see at a glance the material traveling through your conveying system. A stainless steel ground strip is included to eliminate static build up. The overall length of the sight glasses are 16" with a 7" viewing area.

Size (OD)	Gauge	Available Material
1.5"	16	Aluminum
2"	16, 11	Aluminum, Stainless Steel
2.125"	16	Aluminum
2.25"	16	Aluminum
2.5	16, 11	Aluminum, Stainless Steel, Carbon Steel
3	16, 14, 11	Aluminum, Stainless Steel, Carbon Steel
3.5	16, 14, 11	Aluminum, Stainless Steel
4	16, 14, 11	Aluminum, Stainless Steel, Carbon Steel
4.5	16, 11	Aluminum
5	14, 11	Aluminum, Stainless Steel
6	14, 11	Aluminum, Stainless Steel, Carbon Steel
8	14, 11	Aluminum

*Pipe Sizes are available for SightGlass

*Galvanized are available upon request.

Convey Line & Accessories

Vacuum Gaylord Wand

Specifications

- Adjustable air relief is constructed of durable PVC
- Premium wands come with handles and end protectors
- Sizes range from 1.5" OD to 4" OD
- Available in Aluminum and Stainless Steel



Without Cam and Groove Coupling

OD	Gauge	Length
1.5"	11,14	51"
2"	11,14	51"
2.5"	11,14	51"
3'	11,14	51"
4"	11,14	51"

With Cam and Groove Coupling

OD	Gauge	Length
1.5"	11,14	57"
2"	11,14	57"
2.5"	11,14	57"
3'	11,14	57"
4"	11,14	57"

Convey Line & Accessories

PVC Hoses & Clamps

Tigerflex® "WE" Series Hose Heavy Duty PVC
Food Grade Material Handling Hose with Em-
bedded Static Wire for Dry Applications

Inside Diame- ter (ID)	Standard Length (Feet)
1.5"	25
2"	25
2.5"	25
3"	25
4"	10
5"	20
6"	60



Tigerflex® "WT" Series Hose Heavy Duty PVC
Food Grade Material Handling Hose for Dry
Applications

Inside Diameter (ID)	Standard Length (Feet)
1.5"	25
2"	25
2.5"	25
3"	25
3.5"	50
4"	10
5"	20
6"	20



Spiral Double Bolt Clamp used for 1.5" ID
Tigerflex® Hoses.

Spiral Double Bolt Clamps are designed to
be used with the Tigerflex hose with a con-
voluted cover (counter-clockwise spiral
only). For adequate holding power, a single
clamp may be used on each end for 1-1/2" -
4" ID hose. Two clamps are recommended
for each end on 5" ID hose and larger. Made
of zinc-plated carbon steel.

Available Sizes Include:

1.5", 2", 2.5", 3", 4", 5", 6"

Industrial Vacuum Equipment

Instalok Couplings, Slip Coupling & Shrink Sleeves

INSTALOK Couplings are designed specifically for conveying plastic pellets and for other non sanitary industrial vacuum applications.

Outside Diameter	O-Ring	Length
1.5"	Black or White	4" or 6"
1.75"	Black or White	4" or 6"
2"	Black or White	4" or 6"
2.125"	Black or White	4" or 6"
2.25"	Black or White	4" or 6"
2.5"	Black or White	4", 6" or 8"
3"	Black or White	4", 6" or 8"
3.5	Black or White	4", 6" or 8"
4"	Black or White	4", 6" or 8"
4.5"	Black or White	6" or 8"



Constructed of Galvanized steel, Instalok couplings have a unique clamping design that offer unparalleled strength and grip which makes the installation 30% quicker. They are made with Grade 5 stress relieved bolts to ensure durability.

*Pipe sizes are available

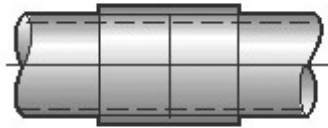
* Viton O-Rings are available

Slip Couplings

Available materials include: Aluminum, Stainless Steel, Carbon Steel and Galvanized Steel.

Available wall thickness Includes: 16 Gauge and 14 Gauge.

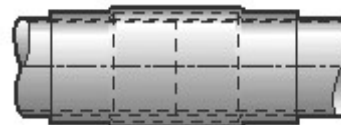
Other sizes are available upon request.



For Tube OD	Length
1.5"	3"
2"	3"
2.5"	3.5"
3"	3"
3.5"	4.5"
4"	5"
5"	6"
6"	7"

Shrink Sleeves

Heat shrinkable polyolefin band that shrinks and encircles the connection giving it mechanical strength and a positive seal.

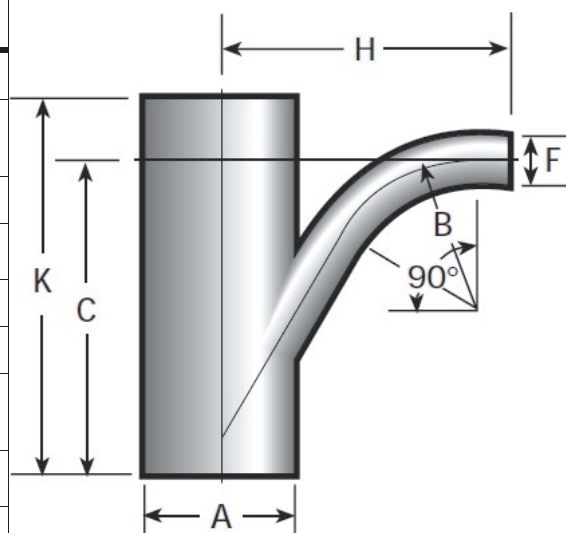


Available Sizes
1.5"
2"
2.125"
2.5"
3"
3.5"
4"
5"
6"
8"
10"
12"

Industrial Vacuum Equipment

Standard 90° TY's

Size	Gauge	B (Trunk Diameter)	A (Height)	E (Branch Diameter)	R (Center Line Radius)
2.125"	16	2.125"	9.5"	2.125"	5"
2.5" x 2.125"	16	2.5"	10"	2.125"	5"
2.5"	16	2.5"	10"	2.5"	6"
3" x 2.125"	16	3"	10.5"	2.125"	5"
3" x 2.5"	16	3"	10.5"	2.5"	6"
3"	16	3"	11.5"	3"	7.5"
3.5" x 2.125"	16	3.5"	11"	2.125"	5"
3.5" x 2.5"	16	3.5"	11"	2.5"	6"
3.5" x 3"	16	3.5"	13"	3"	7.5"
3.5"	16	3.5"	13"	3.5"	8.75"
4" x 2.125"	16	4"	12"	2.125"	5"
4" x 2.5"	16	4"	12"	2.5"	6"
4" x 3"	16	4"	12"	3"	7.5"
4" x 3.5"	16	4"	14"	3.5"	8.75"
4"	16	4"	14"	4"	10"
5" x 2.125"	14	5"	13"	2.125"	5"
5" x 2.5"	14	5"	13"	2.5"	6"
5" x 3"	14	5"	15.5"	3"	7.5"
5" x 3.5"	14	5"	15.5"	3.5"	8.75"
5" x 4"	14	5"	15.5"	4"	10"
5"	14	5"	18.5"	5"	12.5"
6" x 2.125"	14	6"	15"	2.125"	5"
6" x 2.5"	14	6"	15"	2.5"	6"
6" x 3"	14	6"	15"	3"	7.5"
6" x 3.5"	14	6"	17"	3.5"	8.75"
6" x 4"	14	6"	17"	4"	10"
6" x 5"	14	6"	21"	5"	12.5"
6"	14	6"	21"	6"	15"



Available Materials Include:

Aluminum, Carbon Steel, Stainless Steel, Galvanized Steel.

Available Sizes Upon Request:

8", 10", 12" and 14".

Available Wall Thickness Include:

16 Gauge and 14 Gauge.
(12 Gauge is available upon request for sizes 10", 12" and 14")

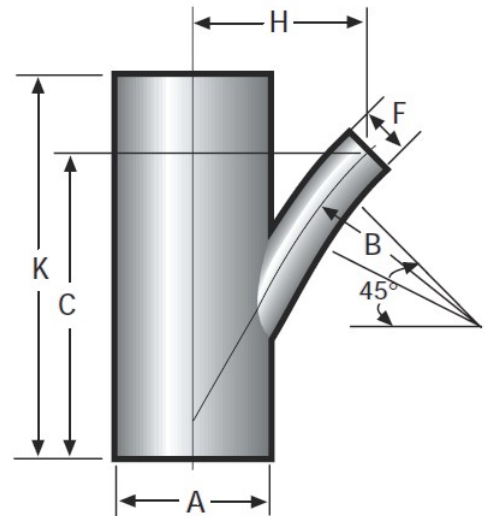
Other TY Specifications include:

90° TY with one expanded end and
90° TY with three expanded ends.

Industrial Vacuum Equipment

Standard 45° YL's

Size	Gauge	A (Trunk Diameter)	K (Height)	F (Branch Diameter)	B (Center Line Radius)
2.125"	16	2.125"	9.5"	2.125"	5"
2.5" x 2.125"	16	2.5"	10"	2.125"	5"
2.5"	16	2.5"	10"	2.5"	6"
3" x 2.125"	16	3"	10.5"	2.125"	5"
3" x 2.5"	16	3"	10.5"	2.5"	6"
3"	16	3"	11.5"	3"	7.5"
3.5" x 2.125"	16	3.5"	11"	2.125"	5"
3.5" x 2.5"	16	3.5"	11"	2.5"	6"
3.5" x 3"	16	3.5"	13"	3"	7.5"
3.5"	16	3.5"	13"	3.5"	8.75"
4" x 2.125"	16	4"	12"	2.125"	5"
4" x 2.5"	16	4"	12"	2.5"	6"
4" x 3"	16	4"	12"	3"	7.5"
4" x 3.5"	16	4"	14"	3.5"	8.75"
4"	16	4"	14"	4"	10"
5" x 2.125"	14	5"	13"	2.125"	5"
5" x 2.5"	14	5"	13"	2.5"	6"
5" x 3"	14	5"	15.5"	3"	7.5"
5" x 3.5"	14	5"	15.5"	3.5"	8.75"
5" x 4"	14	5"	15.5"	4"	10"
5"	14	5"	18.5"	5"	12.5"
6" x 2.125"	14	6"	15"	2.125"	5"
6" x 2.5"	14	6"	15"	2.5"	6"
6" x 3"	14	6"	15"	3"	7.5"
6" x 3.5"	14	6"	17"	3.5"	8.75"
6" x 4"	14	6"	17"	4"	10"
6" x 5"	14	6"	21"	5"	12.5"
6"	14	6"	21"	6"	15"



Available Materials Include:

Aluminum, Carbon Steel, Stainless Steel, Galvanized Steel.

Available Sizes Upon Request:

8", 10", 12" and 14".

Available Wall Thickness Include:

16 Gauge and 14 Gauge.
(12 Gauge is available upon request for sizes 10", 12" and 14")

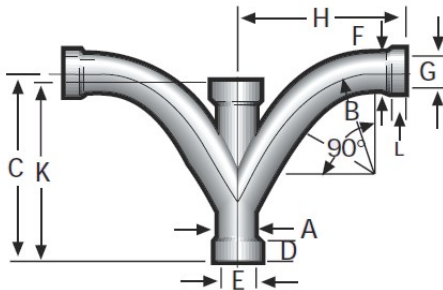
Other YL Specifications include:

45° YL with one expanded end and
45° YL with three expanded ends.

Industrial Vacuum Equipment

Standard Double TY's, YL's & Y's

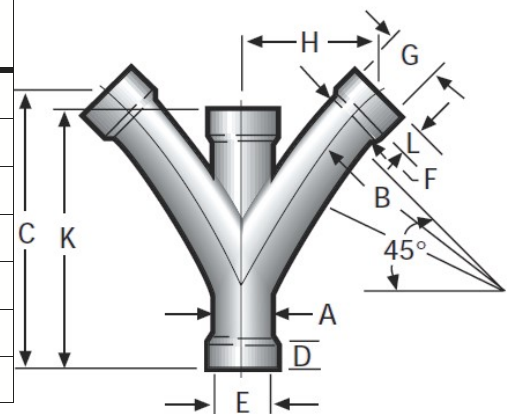
Double 90° TY



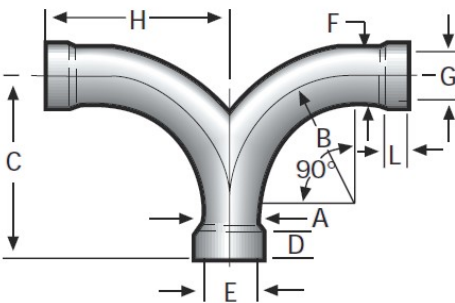
Size	Gauge	C (Height)	F (Outside Diameter)	B (Center Line Radius)
2.125"	16	9.1429	2.125"	5"
2.5"	16	10.5"	2.5	6"
3"	16	12.375"	3"	7.5"
3.5"	16	14.125"	3.5"	8.75"
4"	16	15.875"	4"	10"
5"	14	19.375"	5"	12.5"
6"	14	22.875"	6"	15"

Size	Gauge	C (Height)	F (Outside Diameter)	B (Center Line Radius)
2.125"	16	9.0938"	2.125"	5"
2.5"	16	10.1563"	2.5	6"
3"	16	11.5938"	3"	7.5"
3.5"	16	12.9688"	3.5"	8.75"
4"	16	14.3438"	4"	10"
5"	14	17.5625"	5"	12.5"
6"	14	20.7813"	6"	15"

Double 45° YL



Double 90° Y (Bifurcated)



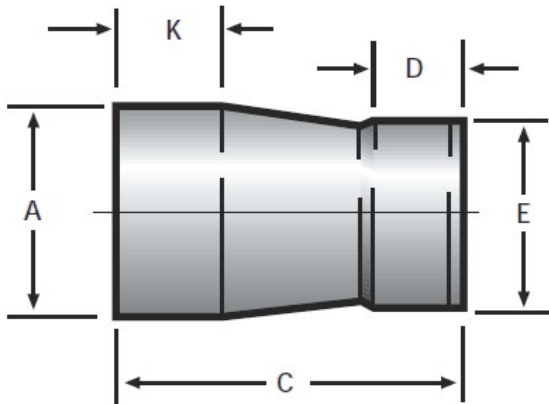
Size	Gauge	C (Height)	F (Outside Diameter)	B (Center Line Radius)
2.125"	16	7"	2.125"	5"
2.5"	16	8"	2.5	6"
3"	16	9.5"	3"	7.5"
3.5"	16	10.75"	3.5"	8.75"
4"	16	12"	4"	10"
5"	14	15.125"	5"	12.5"
6"	14	18.25"	6"	15"

Available Materials Include: Aluminum, Carbon Steel, Stainless Steel, and Galvanized Steel.

Available Wall Thickness Include: 16 Gauge and 14 Gauge.

Industrial Vacuum Equipment

Standard Reducing Couplings



Available Materials Include: Aluminum, Stainless Steel, Carbon Steel, and Galvanized Steel.

Other Available Sizes Include: 8", 10", 12" and 14".

Available Wall Thickness Include: 16 Gauge and 14 Gauge. (12 Gauge is available for 10", 12" and 14".)

*Available in Straight End and Expanded Ends.

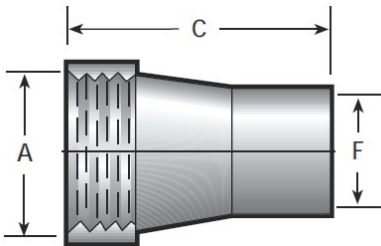


Size	Gauge	A (Outside Diameter)	E (Inside Diameter)	C (Length)
2.125" x 2"	16	2.125"	2"	4"
2.5" x 2.125"	16	2.5"	2.125"	4.5"
3" x 2.125"	16	3"	2.125"	8.75"
3" x 2.5"	16	3"	2.5"	5"
3.5" x 2.125"	16	3.5"	2.125"	11"
3.5" x 2.5"	16	3.5"	2.5"	9.25"
3.5" x 3"	16	3.5"	3"	5.5"
4 x 2.125"	16	4"	2.125"	13.5"
4" x 2.5"	16	4"	2.5"	10.5"
4" x 3"	16	4"	3"	9.25"
4" x 3.5"	16	4"	3.5"	6"
5" x 2.125"	14	5"	2.125"	19.25"
5" x 2.5"	14	5"	2.5"	17.5"
5" x 3"	14	5"	3"	15"
5" x 3.5"	14	5"	3.5"	12.5"
5" x 4"	14	5"	4"	8"
6" x 2.125"	14	6"	2.125"	24.75"
6" x 2.5"	14	6"	2.5"	23"
6" x 3"	14	6"	3"	20.5"
6" x 3.5"	14	6"	3.5"	18"
6" x 4"	14	6"	4"	15.75"
6" x 5"	14	6"	5"	10"

Industrial Vacuum Equipment

Adapters

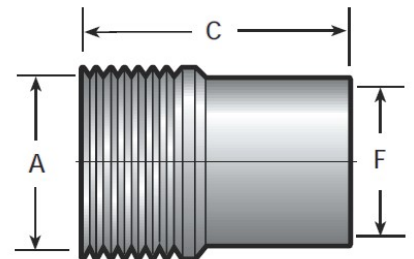
Female Adapter



Size	Gauge	A-FNPT	C	F (OD)
2" to 2"	16	2"	6"	2"
2" to 2.125"	16	2"	6"	2.125"
2.5" to 2.5"	16	2.5"	6"	2.5"
3" to 3"	16	3"	6"	3"
3.5" to 3.5"	16	3.5"	6"	3.5"
4" to 4"	16	4"	6.5"	4"
5" to 5"	14	5"	6.75"	5"
6" to 6"	14	6"	7"	6"
8" to 8"	14	8"	9"	8"
10" to 10"	12	10"	11"	10"
12" to 12"	12	12"	13"	12"

Size	Gauge	A-MNPT	C	F (OD)
2" to 2"	16	2"	6"	2"
2" to 2.125"	16	2"	6"	2.125"
2.5" to 2.5"	16	2.5"	6"	2.5"
3" to 3"	16	3"	6"	3"
3.5" to 3.5"	16	3.5"	6"	3.5"
4" to 4"	16	4"	6"	4"
5" to 5"	14	5"	6.5"	5"
6" to 6"	14	6"	7"	6"
8" to 8"	14	8"	8"	8"
10" to 10"	12	10"	8.5"	10"
12" to 12"	12	12"	9"	12"

Male Adapter



Available Materials Include:

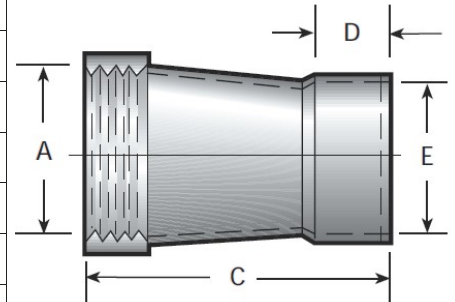
Aluminum, Stainless Steel, Carbon Steel, and Galvanized Steel.

Industrial Vacuum Equipment

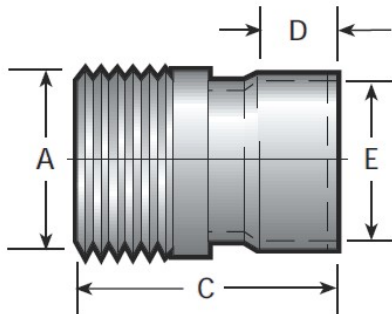
Adapters - Continued

Size	Gauge	A-FNPT	C	D	E (ID)
2" to 2"	16	2"	4"	1.125"	2"
2" to 2.125"	16	2"	6"	1.375"	2.125"
2.5" to 2.5"	16	2.5"	5"	1.375"	2.5"
3" to 3"	16	3"	5.25"	1.375"	3"
3.5" to 3.5"	16	3.5"	5.5"	1.375"	3.5"
4" to 4"	16	4"	6.5"	1.375"	4"
5" to 5"	14	5"	6.75"	1.625"	5"
6" to 6"	14	6"	7"	1.625"	6"

Female Adapter Expanded



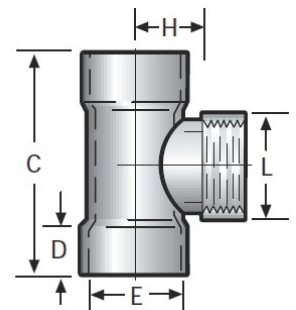
Male Adapter Expanded



Size	Gauge	A-MNPT	C	D	E (ID)
2" to 2"	16	2"	4"	1.125"	2"
2" to 2.125"	16	2"	4"	1.375"	2.125"
2.5" to 2.5"	16	2.5"	4"	1.375"	2.5"
3" to 3"	16	3"	4.75"	1.375"	3"
3.5" to 3.5"	16	3.5"	4.75"	1.375"	3.5"
4" to 4"	16	4"	4.75"	1.375"	4"
5" to 5"	14	5"	5"	1.625"	5"
6" to 6"	14	6"	5.25"	1.625"	6"

Size	C	D	E (ID)	H	L-FNPT
2.125" to 2"	4.8125"	1.375"	2.125"	1.5625"	2"
2.5" to 2"	6.5"	1.375"	2.5"	2.125"	2"
3" to 2"	6.5"	1.375"	3"	2.75"	2"
3.5" to 2"	6.875"	1.375"	3.5"	3.4375"	2"
4" to 2"	6.875"	1.375"	4"	3.4375"	2"

Adapter Tee



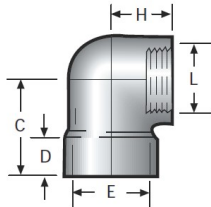
Available Materials Include:

Aluminum, Stainless Steel, Carbon Steel, and Galvanized Steel.

Industrial Vacuum Equipment

Adapters - Continued

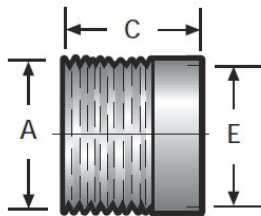
90° Adapter Elbow



Size	C	D	E (ID)	H	L-FNPT
2.125" to 2"	2.5625"	1.375"	2.125"	1.625"	2"

Available Materials Include: Cast Iron Gray, Zinc, Nickel Plated and Cast Aluminum.

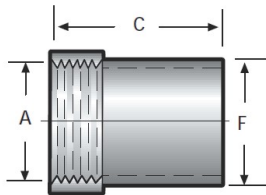
Male Adapter Nipple



Size	A-MNPT	C	E (ID)
2.125"	2"	2"	2.125"

Available Materials Include: Aluminum, Stainless Steel, Carbon Steel and Galvanized Steel.

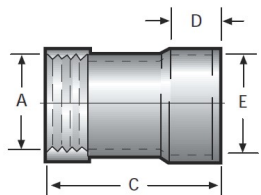
Female Reducing Adapter



Size	Gauge	A-FNPT	C	F (OD)
2" to 2.125"	16	2"	4.25"	2.5"

Available Materials Include: Aluminum, Stainless Steel, Carbon Steel and Galvanized Steel.

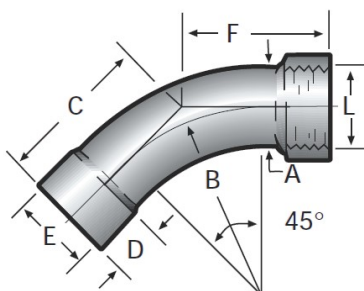
Female Reducing Adapter Expanded



Size	Gauge	A-FNPT	C	D	E (ID)
2" to 2.125"	16	2"	4.25"	1.375	2.5"

Available Materials Include: Aluminum, Stainless Steel, Carbon Steel and Galvanized Steel.

45° Female Adapter Elbow



Size	A (OD)	Gauge	B	E	L-FNPT
2.125" to 2"	2.125"	16	5"	2.125"	2"
2.5" to 2"	2.5"	16	6"	2.5"	2"
2.5" to 2.5"	2.5"	16	6"	2.5"	2.5"

Available Materials Include: Aluminum, Stainless Steel, Carbon Steel and Galvanized Steel.

Industrial Vacuum Equipment

Flexible Vacuum Hose

Series 1000

Gray, Lightweight Crush Proof Plastic Vacuum Hose. Light-Medium Duty Applications Diameter: 1-1/2" & 2" Lengths: 10', 15', 25', 50' . (Hose Cuff not Included)



Series 2000

Gray, Lightweight Wire Reinforced Plastic Vacuum Hose. Our Most Flexible Hose. Light-Medium Duty Applications Diameter: 1-1/2" & 2" Lengths: 10', 15', 25', 50'



Series 3000

Yellow, Medium Weight Crush Proof Plastic Vacuum Hose. Yellow Safety Color. Medium-Heavy Duty Application Diameter: 1-1/2" & 2" Lengths: 10', 15', 25', 50' (Hose Cuff not Included)



Series 4000

Clear, Medium Weight with PVC Helix Plastic Vacuum Hose. FDA Approved. Medium-Heavy Duty Applications. Diameter: 1-1/2" & 2" Lengths: 10', 15', 25', 50' (Hose Cuff not Included)



Hose Cuffs

Hose Cuffs are available for 1-1/2" and 2" sizes for each hose series.



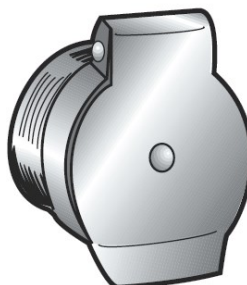
Inlet Valves

Heavy duty inlet valves provide a quick connection to the male house coupling to the vacuum cleaning system. They are designed for insertion into a 2" FNPT threaded fitting adapting to a 2.125" tube size.

Materials Available include:

Galvanized steel, Stainless steel, and Nickel plated.

*Escutcheon Plates are available upon request in Galvanized Steel, Stainless Steel and Nickel.



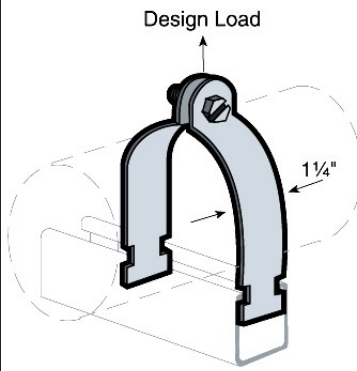
Bore	MNPT
1.5"	2"
1.8"	2"
2"	2"
2" (With Clip)	2"

Industrial Vacuum Equipment

Clamps & Unistrut

Tube Clamps

Size	Design Load	Material
1.5"	600 lbs	Zinc
2"	800 lbs	Zinc
2.125"	800 lbs	Zinc
2.5"	800 lbs	Zinc
3"	800 lbs	Zinc
3.5"	800 lbs	Zinc
4"	1000 lbs	Zinc
4.5"	1000 lbs	Zinc
5"	1000 lbs	Zinc
6"	1000 lbs	Zinc
8"	1000 lbs	Zinc



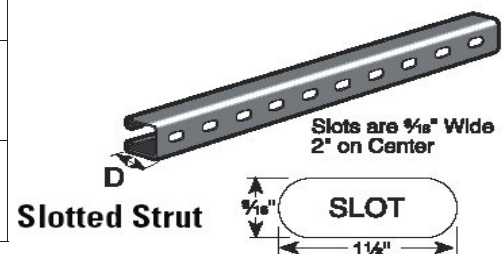
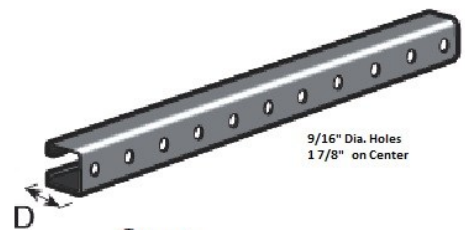
Pipe Clamps

Size	Design Load	Material
1.5"	800 lbs	Zinc
2"	800 lbs	Zinc
2.125"	800 lbs	Zinc
2.5"	800 lbs	Zinc
3"	800 lbs	Zinc
3.5"	1000 lbs	Zinc
4"	1000 lbs	Zinc
4.5"	1000 lbs	Zinc
5"	1000 lbs	Zinc
6"	1000 lbs	Zinc
8"	1000 lbs	Zinc

Tube and Pipe Clamp packages include Slotted Hex Head Screw and Nut.

Unistrut

Description	Size	Gauge	Material	Packaged
Strut	9/16" Hole Strut 1-5/8"(D) x 1-5/8", 10' Length	12	Zinc	Each
Slotted Strut	13/16"(D) x 1-5/8", 10' Length	14	Zinc	Each
Slotted Strut	1-5/8"(D) x 1-5/8", 10' Length	14	Zinc	Each
Slotted Strut	1-5/8"(D) x 1-5/8", 10' Length	12	Zinc	Each

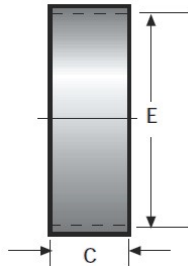


Industrial Vacuum Equipment

Installation Components

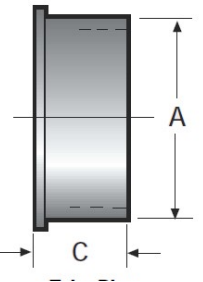
Slip Welding Rings

Size	Gauge	C	E
8"	14	3"	8"
10"	12	3"	10"
12"	12	3"	12"
14"	12	3"	14"



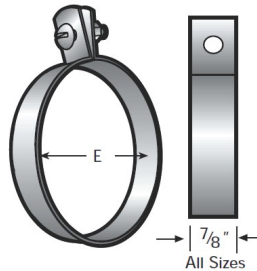
Tube Plugs

Size	Gauge	A (OD/ID)	C
2.125"	16	2.125" OD	1-3/8"
2.5"	16	2.5" OD	1-3/8"
3"	16	3" OD	1-3/8"
3.5"	16	3.5" OD	1-3/8"
4"	16	4" OD	1-3/8"
5"	14	5" OD	1-5/8"
6"	14	6" OD	1-5/8"
8"	14	8" ID	1-3/4"
10"	12	10" ID	2"
12"	12	12" ID	2"
14"	12	14" ID	2"



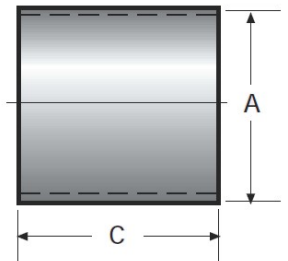
Tube Hangers

Size	Gauge	E (ID)
2.125"	16	2.125"
2.5"	16	2.5"
3"	16	3"
3.5"	16	3.5"
4"	16	4"
5"	16	5"
6"	16	6"
8"	16	8"
10"	16	10"
12"	16	12"
14"	16	14"



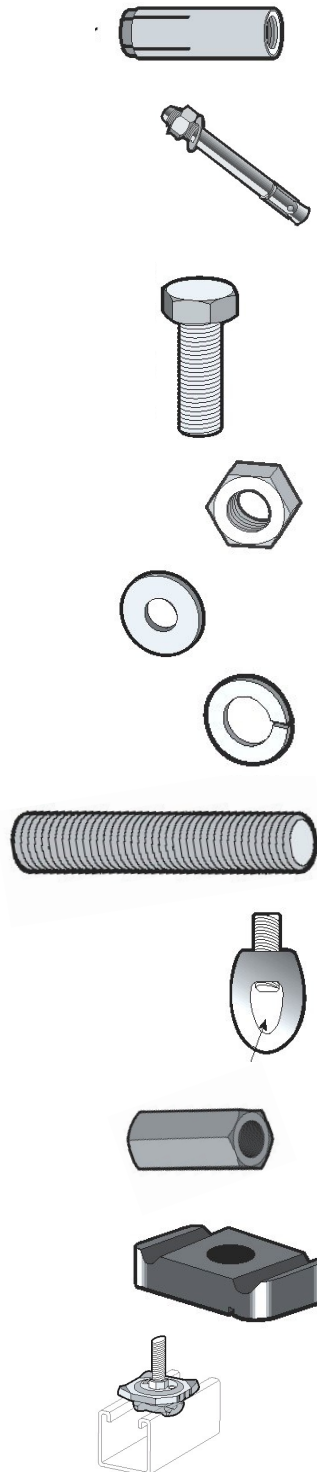
Tube Nipples

Size	Gauge	A (OD)	C
2.125"	16	2.125"	2.5"
2.5"	16	2.5"	2.5"
3"	16	3"	2.5"
3.5"	16	3.5"	2.5"
4"	16	4"	2.5"
5"	14	5"	3"
6"	14	6"	3"
8"	14	8"	4"
10"	12	10"	5"
12"	12	12"	6"
14"	12	14"	7"



Industrial Vacuum Equipment

Installation Components



Description	Size	Material	Packaged
Anchor	.375 "x 1.5625"	Zinc	50 pc.
Bolt Anchor	.375" x 3.75" (Overall Length) 1.125" Thread Length	Zinc	100 pc.
Hex Head Cap Screw	.375" x 1"	Zinc	50 pc.
Hex Head Cap Screw	.375" x 1.25"	Zinc	50 pc.
Hex Nut	.375"	Zinc	50 pc.
Flat Washer	.375"	Zinc	50 pc.
Split Lock Washer	.375"	Zinc	50 pc.
Threaded Rod	.375" to 6' (Length)	Zinc	Each
Eye Nut (610 lbs allowable load)	.375" Tapped Hole	Malleable Iron- Plain	Each
Coupler Nut	.375" x 1.75" (Length)	Zinc	Each
Channel Nut	.375"	Zinc	Each
Saddlenut Assembly		Zinc	25

Notes