

Pipe and Fittings

For Use with Aspirating Detection Systems

- PVC, Copper, Aluminum, Stainless - High Pressure
- Plenum Rated CPVC - Low Pressure

PRO Series™

Cut Sheet

Standard Aspirating Pipe Networks

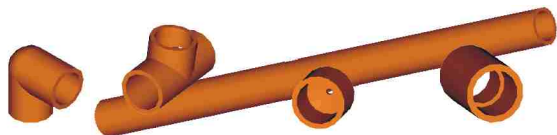
Description

Aspirating systems typically use plenum rated 3/4" BlazeMaster™ pipe and fittings. Large bore pipe is industry standard and provides the large volumes of air required. Other types of suitable pipe in varying sizes include PVC, copper, stainless steel and aluminum.



Pipe Type - Plenum Rated CPVC - BlazeMaster™

For use in plenums and all other spaces. 3/4" ID Pipe, 90° Elbows, 45° Elbows, Tee's, Couplings, and End Caps.



Pipe Specifications - Standard Aspirating

Rating:	Plenum
Pipe OD:	1.05"
Pipe ID:	0.874"
Wall Thickness:	0.088"
Weight:	16.8 lbs./100'
Flammability:	V-2, NFPA 90A
Polyethylene Classification:	Type 1, Class C, Category 4

High Pressure "Engineered Style" Systems

Description

High pressure "Engineered Style" systems may use virtually any type of pipe and fittings such as PVC, copper, stainless steel, iron, aluminum or black pipe. Typical pipe ID sizes for these systems range from 1/4" to 3/4". Small bore pipe is used with a high pressure aspirator to overcome differential pressures and allow for more dynamic system designs.



Pipe Specifications - High Pressure

PVC:	Sch. 40, Sch. 80
Copper:	Type K, L
Aluminum:	3003
Stainless Steel:	304
Pipe and Tube ID:	1/4", 3/8", 1/2", 5/8", 3/4"

Notes:

Pipe ID, OD, and wall thickness vary depending on the type of pipe, tubing, and fittings being used. Please verify all pipe and fitting information when designing systems.

Please refer to all federal, state and local codes, and manufacturer's recommendations prior to design or installation. All systems must meet NFPA requirements and be designed using the manufacturer's calculation software.



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