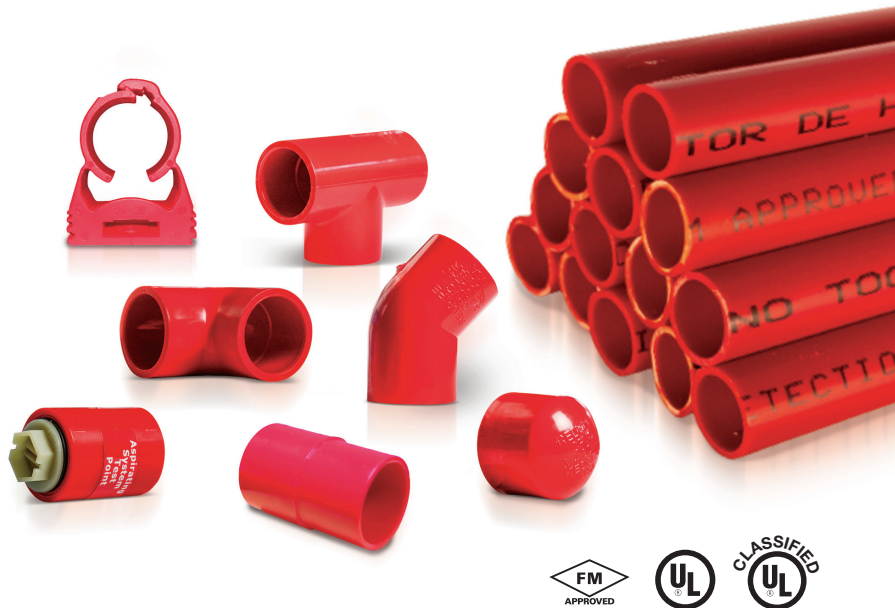




Sampling Pipe and Fittings

For air-aspirating smoke detection systems



Description

Sampling pipe and fittings are an integral part of any aspirating smoke detection system. Selection of the correct type of pipe and suitable accessories is essential for optimum detector performance and unobtrusive pipeway design. Properly installed, aspirating smoke detector (ASD) sampling equipment will provide years of service and require minimal maintenance.

The RP Series CPVC and CM Series ABS sampling pipes and fittings are specifically engineered for use with low-pressure/high-flow-rate ASD systems.

Pipe materials offer excellent rigidity, impact strength, as well as chemical and weather resistance. They are easy to cut and install and bond permanently with pipe solvent cement. Their distinctive colors ensure the sampling pipe network is easily distinguishable from other services. Pipe is preprinted along the length with the warning: "Smoke Detector Sampling Tube – Do Not Disturb."

Features

- CPVC is UL 1887 listed for plenum spaces
- 7.5' and 15' length ¾" Sch 40 CPVC
- Fire system red
- No labels needed: NFPA nomenclature printed on pipe
- Easy-snap pipe hangers
- ABS and CPVC plastic components available
- Preprinted labeling on pipe identifies the pipe as part of a detection system and reduces installation and maintenance costs
- Excellent rigidity and impact strength for easy installation and long service life
- Pipe is easy to cut and bonds permanently to fittings with pipe solvent cement
- Highly resistant to chemicals
- Distinctive colors distinguish the pipe and fittings from other building services
- Red ABS pipe and fittings are rated for freezer applications in extreme temperatures up to -40 F/C

About Sampling Pipe

The two families of ASD piping are CPVC, which is the most widely used and has an operating temperature of -40 F/C to 201F /93C, and ABS, which is typically used in freezer applications and has an operating temperature of -40 F/C to 160 F.

Two types of capillary tubing are available for drop ceiling or in-cabinet applications. The red colored tubing is available in two diameters, 1/2" OD and 3/8" OD, and can come in a 50ft or 100ft. roll. Its operating temperature is -94 F to 180 F. The black colored capillary tubing comes in 3/8" OD in a 250 ft. roll. Its maximum operating temperature is 175 F.

Note: Pipe is intended for use with ModuLaser and AirSense air-aspirating detectors. Use on any other manufacturer's air aspiration system may void warranty.



RP5209

3/4" Smoke Detection pipe
Sch-40 (ID 0.874), 7.5 ft. length
English/Spanish, CPVC



RP5209-15

3/4" Smoke Detection pipe
Sch-40 (ID 0.874), 15 ft. length
English/Spanish, CPVC



RP5219

Capillary tubing, 3/8", 50 ft. roll



RP5239

Capillary tubing, 3/8", 100 ft. roll



RP5227

Capillary tubing, 1/2", 50 ft. roll



RP5229

Capillary tubing, 1/2", 100 ft. roll



RP2226

Test point for 3/4" pipe
Can be used with CPVC and ABS



RP5202X

3/4" 90° elbow (socket/socket),
10 per bag, CPVC



RP5203X

3/4" 45° elbow (socket/socket),
10 per bag, CPVC



RP5204X

3/4" Tee, 10 per bag, CPVC



RP5205X

3/4" Endcap (socket), 10 per bag, CPVC



RP5206X

3/4" Coupling (socket/socket),
10 pack, CPVC



RP5207

Adapter, pipe to detector, CPVC



RP5208

3/4" Union, CPVC



RP5215X

90° Radius Bend, 10 pack, CPVC



RP5216

Flush Air Sample Point



RP5222

Conical Air Sampling Point



RP5223

3/8" Quick Disconnect



RP5212

3/4" Pipe Clip Hanger, red nylon,
25 pack



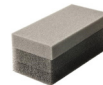
RP5213

Pipe Clip Hanger Square Nut, 50 pack
Thread size 1/4"-20



1-21888-K063

ASD Harsh environment
external filter



1-21888-K064

Replacement filter for 1-21888-K063



1-21888-K064-P

Replacement filter for 1-21888-K063,
6 pack



9-10936-25

Closed pipe clip w/stand off, 25 pack



9-10976

Quick-release airline valve



9-10978
3/4" Large check valve



9-10980
3/4" Large 2-way ball valve



CV10935
Reducer Bushing-CPVC. Use with P/N CV10937 to connect Capillary Sampling Tube to sampling pipe. Bag of 25.



CV10937
Quick Connect Fitting. Use with P/N CV10935 to connect Capillary Sampling Tube to sampling pipe. Bag of 25.



9-10930
In-line adapter for connection to 3/4" pipe to 10 mm capillary tubing



CM10900
3/4" ID x 1" OD x 10' length ABS Sampling Pipe. Red; Preprinted "Do Not Disturb - Aspirating Smoke Detection Pipe."



CM10908
3/4" Red ABS Straight Coupling



CM10906
3/4" Red ABS Sweeping 90° Elbow



CM10905
3/4" Red ABS 45° Elbow



CM10913
Bulkhead sampling point, with a 10 mm flexible sampling pipe entry at the back. Used for sampling within cabinets and enclosures.



CM10914
Press Fit Calibrated Sampling Point (white). Intended to be press fitted into 3/8" capillary tubing.



CM10922
End-of-Line Sampling Point Adapter - ABS. 3/4" to 3/8" quick connect fitting.



CM10963-250
1/4" ID x 3/8" OD Capillary Sampling Tube. Flexible FPE-rated polyethylene; Black with red stripe; Max temp 175°F; Meets flame spread, fuel contribution and smoke density requirements of ASTM E84-8/A Tunnel Test; UV resistant; 250 ft roll.

Pipe Accessories



CM10933
3/4" ASD pipe repair saddle. Used to repair incorrectly placed or drilled holes. Cemented into place.



CM10960
Sampling Point Identification Decals. Roll of 100 self adhesive sample point labels. Placement aids identification by service personnel.



CV10961
Sampling Pipe Decals. Roll of 100. Use for labeling sample pipe per NFPA guidelines. Reads "Smoke Detector Sampling Pipe - Do Not Disturb." Made of moisture-resistant material.



9-10954-25, 9-10954-100
Sold in 25 per bag or 100 per bag



CV10931
One-Hole Wrap-Strap for CPVC and ABS Pipe. Securely supports 3/4" sample pipe. Carbon steel with Electro-zinc plated finish. Includes 1 hex-head screw for 1 hole. Bag of 100.



CV10934
2-hole strap for 3/4" CPVC pipe. Flared edges and Electro-Zinc plated for CPVC. Box of 100.



CV10936
Stand-off 2 hole strap for 3/4" CPVC pipe. Position pipe 1 1/2" off surface. Comply with NFPA 13. Box of 100.



CM10919
Patress sampling point, with a straight 10 mm flexible sampling pipe entry at the back. Used with CM10963-250.



CM10943
A flush mount, capillary sampling point for use with false/drop ceilings, with a 10 mm flexible sampling pipe entry at the back. Used with CM10963-250.



CM10944
Patress sampling point, with a 90 degrees, angled 10 mm flexible sampling pipe entry at the back. Used with CM10963-250.



RP5225
1/2" Quick Disconnect



RP5240
96' of 3/4" CPVC red pipe
5- Sample Point Labels
3-90 Degree Elbows
12-Couplings
1-Tee
2-Endcaps
32-Pipe Clip Hangers



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