

Effective: September 2009

AIR-Intelligence offers a comprehensive array of non-toxic ABS pipe and fittings for our aspirated air sampling smoke detection systems.

The AIR-Intelligence portfolio of pipe fittings and accessories enables the installer to provide efficient, robust and unobtrusive aspirated smoke detection sampling networks for myriad of applications. The outstanding physical properties of ABS make it ideal for almost every project while its color and clear markings ensure the air sampling network is easily identifiable from other services.

Our offering of standard equipment has grown in response to the needs of our clients. For those installations having special physical or architectural requirements we have the capability of manufacturing sampling points to suit the application in metal, plastics or even wood. Please contact us to discuss your requirements.

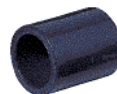
The Right Connections

The AIR-Intelligence range of sampling pipe, fittings and accessories are designed specifically for use with low-pressure/high flow rate aspirated smoke detection systems.

Our sampling pipe and fittings are manufactured from ABS (Acrylonitrile Butadiene Styrene) and CPVC material. These materials were selected because they are easy to install, offers excellent rigidity, impact strength, as well as chemical and weather resistance.

Fittings & Adaptors

- Socket (25 mm)
- End Cap (25 mm)
- In-line Remote Sampling Point Adaptor (25 mm)
- Socket 27 mm to 25 mm Female
- Adaptor 27 mm Female to 25 mm Male
- Adaptor 25 mm Female to 27 mm Male



Key Features:

- **Chemical Resistant** - Piping has good resistance to most diluted inorganic acids, salts, animal fats, oils and organic acids. It is not resistant to organic solvents, alcohol, petrol, acetic acid or vegetable oils. Our Technical Support staff can advise on its resistance to specific chemicals.
- **Temperature Rating** - Our ABS sampling pipe is suitable for use over a temperature range of -40° C to 60° C.

- **Thermal Expansion** - The thermal coefficient of linear expansion for our pipe is $10.1 \times 10^{-5}/^{\circ}\text{C}$. It is important that the installer considers the final working temperature of the installed aspirated pipe network and makes suitable allowance for expansion and contraction.

- **Pipework Support Centers** - Pipes should be supported at not more than 1.2 m intervals.
- **Pipe Cement** - Approximately 400 joints can be made per liter of solvent cement (100 per 250 ml. can).

Warning

Solvent cement and pipe cleaner are both HAZARDOUS and FLAMMABLE materials.

Pipe & Fittings

Sampling Pipe & Fittings

- Rigid Sampling Pipe
- Joining Socket
- 90° Bend
- 45° Elbow
- End Cap
- Socket Union
- "T" Piece



Components

- 10mm Nylon Tube
- 10mm Nylon Tube
- In-line Remote Sampling Point Adaptor
- End Cap Adaptor
- In-line Sampling Point
- Patress Sampling Point
- Right Angle Patress Sampling Point
- Bulkhead Sampling Point (20 mm)



Remote Sampling Point Assemblies

- Standard Sampling Point Assembly
- Sampling Point Assembly
- Patress Sampling Point Assembly
- Right Angle Patress Sampling Point Assembly
- Bulkhead Sampling Point Assembly
- Plain Calibrated Point Assembly
- Optional End Cap Adaptor



Accessories

- Pipe Clip
- Pipe Cutter, Ratchet Action
- 10mm Manifold
- Hole Repair Saddle



Applications

- Aircraft Hangars
- Airport Terminals
- Anti-Smoking Enforcement
- Atria
- Cable Tunnels
- Ceiling Voids & Raised Floors
- Cleanrooms
- Coal Conveyers
- Computer Cabinets
- Computer Rooms
- Corrections Facilities
- Electronic Data Processing (EDP) Centers
- Engine Rooms
- Escalators
- Flour Mills
- Food Preparation Areas
- Freezer Warehouses
- Heritage Buildings
- High-End Residential
- Hospitals
- Hotel Lobbies
- Metro Tunnels
- Museums
- Paper Mills
- Record Storage Facilities
- Recycling Centers
- Semiconductor Fabrication
- Telecommunications Facilities
- Textile Areas
- Tobacco Plants
- Warehouses and Distribution Centers
- Wood Recycling

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