

the right connections

Aspirating Pipe Supplies Ltd sampling pipe, fittings and accessories are designed specifically for use with low pressure/high flow rate aspirating type smoke detection systems such as Kidde HART, AirSense Technology Stratos-HSSD® and the Vision Systems Vesda.

Our sampling pipe and fittings are manufactured from red ABS (Acrylonitrile Butadiene Styrene). This material was selected because it is easy to install, offers excellent rigidity, chemical resistance, impact strength and weather resistance.

Chemical Resistance
ABS 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 department will advise on its resistance to specific chemicals.

Temperature rating
Our red ABS sampling pipe is suitable for use over a temperature range of -40°C to +80°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 takes into consideration the final working temperature of the installed aspirating pipe network and makes suitable allowance for expansion or contraction.

The thermal expansion of our pipe is compared with other materials in the above chart.

Pipework support centres
Pipes should be supported at not more than 1.5 metre intervals.

Pipe cement
Approximately 400 joints can be made per litre of solvent cement as supplied by Aspirating Pipe Supplies Ltd. (100 per 250 ml. can)

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

For more detailed information on the range of pipe and fittings offered by Aspirating Pipe Supplies Ltd., please ask for Data sheet AFS 002.

The Aspirating Pipe Supplies Ltd. range of pipe fittings and accessories enables the installer to provide efficient, robust and unobtrusive aspirating smoke detection sampling networks over a wide range of applications. The outstanding physical properties of ABS make it ideal for almost every project whilst the red colour and clear markings ensure the air sampling network is easily identifiable from other services.

The APS Ltd sampling pipe has been tested by the Loss Prevention Certification Board at Borehamwood, UK

and is LPCB approved when used as part of a Stratos-HSSD® system.

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

The standard range of pipe, fittings and accessories illustrated in this brochure, have been installed in the following:

- Churches and Cathedrals
- Cold stores
- Aircraft hangers
- Paper Mills
- Hotels
- Warehouses
- Historic buildings
- Telecommunications areas
- Supermarkets
- Power distribution areas
- Food processing areas
- Drug manufacturing areas
- Computer rooms
- Air ducts











1 OAK HOUSE, KNOWLEDGE, WALSLEY WAY, HYO-84, HERRIS S64 6TY
TELEPHONE: 01462 436889 FAX: 01462 440888






A comprehensive range of non-toxic red ABS pipe and fittings for aspirating smoke detection systems





Sampling Pipe & Fittings

| PART No. | DESCRIPTION | COLOUR | QTY |
|----------|--------------------------|--------|--|
| CM 10900 | Pipe (3/4" Nominal Bore) | Red | 3 metres  |
| CM 10908 | Socket | Red | ea.  |
| CM 10906 | 90° Bend | Red | ea.  |
| CM 10905 | 45° deg. Elbow | Red | ea.  |
| CM 10927 | End Cap | Red | ea.  |
| CM 10915 | Socket Union | Red | ea.  |
| CM 10909 | T' Piece | Red | ea.  |
| CM 10910 | Y' Piece | Red | ea.  |

Remote Sampling Point Assemblies

Each assembly comes complete with in-line adaptor socket, 1 metre of 10mm O/D flexible nylon tube (see 10925) and sampling point in a choice of the styles listed below.

| PART No. | DESCRIPTION | COLOUR | QTY |
|----------|---|----------|---|
| CM 10925 | Standard Sampling Point Assembly (flexible tube fixed to sampling point) | as shown | ea.  |
| CM 10945 | Sampling Point Assembly (as above but with the detachable sampling point shown) | as shown | ea.  |
| CM 10928 | Patress Sampling Point Assembly (as CM 10925 but with the removable sampling point shown) | as shown | ea.  |






| PART No. | DESCRIPTION | COLOUR | QTY |
|-------------------------------|--|----------|---|
| CM 10947 | Right Angle Patress Sampling Point Assembly (as CM 10925 but with the removable sampling point shown) | as shown | ea.  |
| CM 10916 | Bulkhead Sampling Point Assembly 20mm (as CM 10925 but with the removable sampling point shown) | as shown | ea.  |
| CM 10921 | Plain Calibrated Point Assembly (as CM 10925 with calibration plug press fitted to natural nylon tube) | as shown | ea.  |
| Suffix 'E' to above part No's | Optional End Cap Adaptor (replacing in line adaptor for end of pipe sampling applications) | Red | ea.  |

NB: For variations from the above (tube colour or length) the component parts should be ordered separately from the components list.

Components

| PART No. | DESCRIPTION | COLOUR | QTY |
|----------|---|----------|---|
| CM 10963 | 10mm Nylon Tube | Red | per metre  |
| CM 10964 | 10mm Nylon Tube | Natural | per metre  |
| CM 10923 | In-line Remote Sampling Point Adaptor | Red | ea.  |
| CM 10922 | End Cap Adaptor | Red | ea.  |
| CM 10943 | In-line Sampling Point | as shown | ea.  |
| CM 10919 | Patress Sampling Point | as shown | ea.  |
| CM 10944 | Right Angle Patress Sampling Point | as shown | ea.  |
| CM 10913 | Bulkhead Sampling Point (20mm) | as shown | ea.  |
| CM 10914 | Plug Sampling Point Assembly (for use with 10mm nylon tube above) | as shown | ea.  |

Fittings and Adaptors (25mm)

| PART No. | DESCRIPTION | COLOUR | QTY |
|----------|---------------------------------------|--------|---|
| CM 10911 | Socket | Grey | ea.  |
| CM 10912 | End Cap | Grey | ea.  |
| CM 10917 | In-line Remote Sampling Point Adaptor | Grey | ea.  |
| CM 10931 | Socket 3/4" to 25mm Female | Red | ea.  |
| CM 10946 | Adaptor 3/4" Female to 25mm Male | Red | ea.  |

Fixings, Cement and Accessories

| PART No. | DESCRIPTION | COLOUR | QTY |
|----------|--|----------|--|
| CM 10935 | Pipe Clip | Black | ea.  |
| CM 10930 | Pipe Clip | Red | ea.  |
| CM 10950 | Solvent Cement (250ml with Brush) | Clear | ea.  |
| CM 10951 | Pipe Cleaner (500ml) | — | ea.  |
| CM 10960 | Sampling Hole Warning Labels (Self Adhesive) | as shown | per 100  |
| CM 10961 | Pipe Cutters, Ratchet Action | Red | ea.  |
| CM 10941 | 10mm Manifold | as shown | ea.  |
| CM 10933 | Hole Repair Saddle (3/4" Pipe) | red | ea.  |