



# ABS PIPE

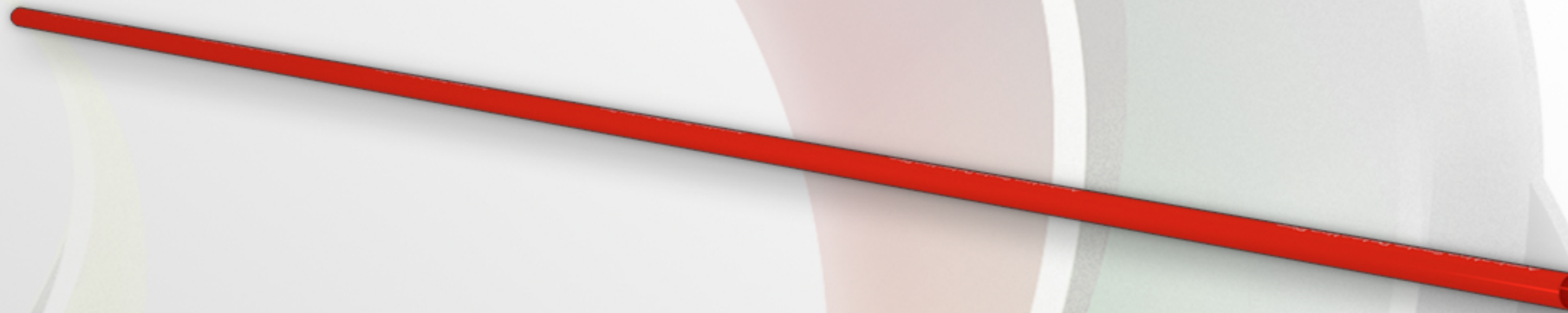
(ABS008/25 - 25mm)

3 Meter ABS 25mm aspirating smoke detection pipe EN54 - 20 Approved. Pipe is designed for aspirating fire detection only.

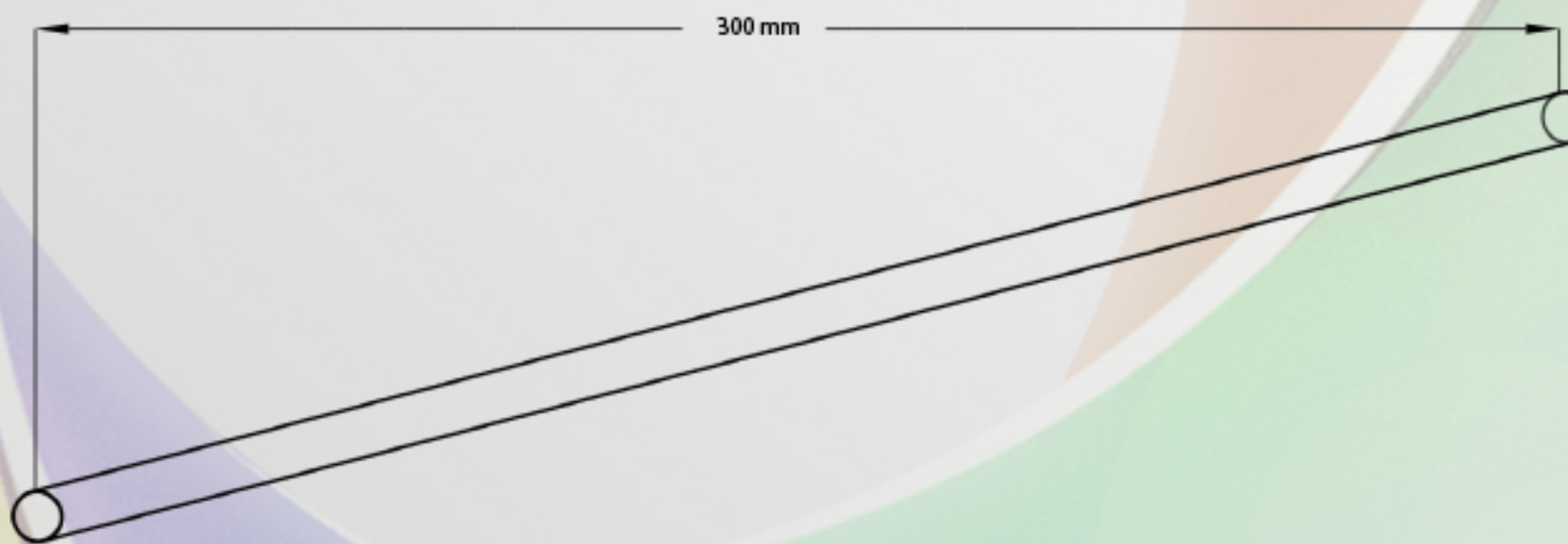
### Installation Instructions:

Do not bend the pipe. Do not paint.  
Keep pipe clean and free from dust.  
Do not install in direct sunlight.  
Pipe clips are required every 800mm  
Only install with approved fittings.  
Do not use solvents to clean, only soapy water.  
Only use approved pipe plastic cutters to cut the pipe.  
Ensure that pipe cutters are sharp.  
When ambient temperatures outside are 15°C to 25°C use pipe expansion joints.  
working temperatures between -20°C to 40°C.

<b>Part No.</b>	<b>ABS008/25</b>
<b>Pipe colour</b>	<b>RED</b>
<b>Text colour</b>	<b>BLACK</b>
<b>Diameter Tolerance</b>	<b>+/- 0.15mm</b>
<b>Test by BSi to</b>	<b>EN54-20:2006 Clause 5.7</b>
<b>Test report</b>	<b>2381/74533753</b>
<b>Text description</b>	<b>"FIRE ALARM AIR SAMPLING PIPE - DO NOT CUT OR PAINT"</b>



Side Elevation



Front Elevation



### Bracket Spacing Intervals

Plastic pipe lines require regular support, and the spacing of clips or brackets depends on the pipe used, temperature and density of the liquid carried.

#### 25mm pipe size bracket spacing in meters:

20°C	30°C	40°C	50°C	60°C	70°C
1.00	0.95	0.85	0.75	0.70	0.60

### RAW MATERIAL DATA

**Kumho ABS 750**  
**Acrylonitrile Butadiene Styrene**

**Physical:**  
Specific Gravity 1.04  
Test Method ASTM D792

Melt Mass - Flow Rate (MFR)  
200°C/21.6 kg 47 g/10 min  
200°C/5.0 kg 4.1 g/10 min  
220°C/10.0 kg 34 g/10 min  
Test Method ASTM D1238

Molding Shrinkage -  
Flow 0.0040 to 0.0070 in/in  
Test Method ASTM D955

**Mechanical:**  
Tensile Strength  
Yield, 73°F (23°C)  
1.97 in (50.0mm)  
6670 psi  
Test Method ASTM D638

**Tensile Elongation**  
Yield, 73°F (23°C)  
1.97 in (50.0 mm), 15%  
Test Method ASTM D638

**Flexural Modulus**  
Yield, 73°F (23°C)  
0.118 in (3.00 mm)  
312000 psi  
Test Method ASTM D638

**Flexural Strength**  
Yield, 73°F (23°C)  
0.118 in (3.00 mm)  
9230 psi  
Test Method ASTM D790

**Impact**  
Noched Izod Impact  
73°F(23°C), 0.126 in (3.20 mm), 5.5 ft-lb/in  
73°F(23°C), 0.252 in (6.40 mm), 4.8 ft-lb/in  
Test Method ASTM D256

**Hardness**  
Rockwell Hardness (R-Scale) 108  
Test Method ASTM D785

**Thermal**  
Deflection Temperature Under Load  
264 psi (1.8 MPa), Unanneald 185°F/85°C  
Test Method ASTM D648

Vicat Softening Temperature 203°F/95°C  
Test Method ASTM D1525

**Flamibility**  
Flame Rating  
0.0630 in (1.60 mm) HB  
0.0866 in (2.20 mm) HB  
0.126 in (3.20 mm) HB  
Test Method UL 94

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