



A Bosch Company

- **1, 2, 3 or 4 Interconnectable Filters**
- **Three Stage Filter Mesh or 'Fine' Filter Mesh**
- **25mm Sampling Pipe Inlet/Outlet**
- **Airflow Direction Indicator**
- **Reduces Service Intervals**
- **Reduces Unwanted Alarms**
- **Re-usable or Replaceable Filter Cartridge (application dependant)**
- **Aesthetically Designed to Compliment the Protec Range of Aspirating Detectors**

Aspirating System - In-Line Sampling Pipe Dust Filters



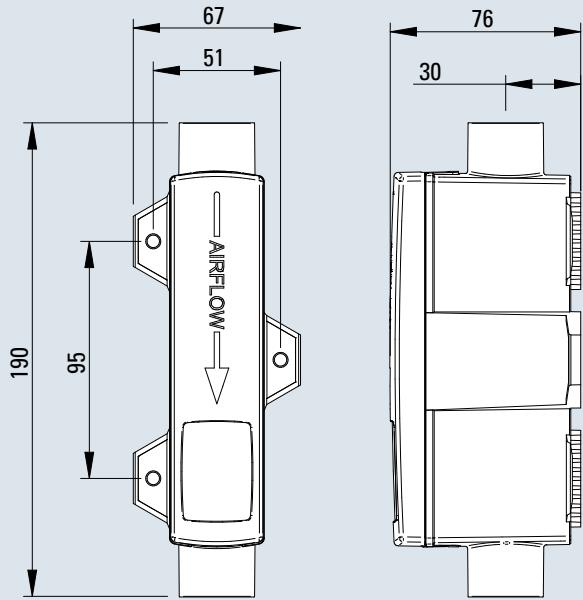
Aspirating detection systems are now installed in an ever increasing variety of different applications, for many different reasons. Many of these applications have increased levels of ambient dust and therefore additional filtration is required prior to the sampled air entering into the aspirating detector.

The Protec aspirating system 'In-line Filter' is the ideal solution to remove this excessive dust. The filter design incorporates a three stage filter cartridge to remove different particle sizes of dust or alternatively a single stage 'fine' filter mesh, where finer dust particles can be expected. This cartridge is held at an angle within the filter housing to maximize the surface area of the filter material and therefore extend the life of the filter and reduce the pressure loss across the filter.

The filters are purchased as individual items but can be interconnected to allow a simple and neat installation.

Technical Specification

Dimensions (mm)



General Specification

Material	PC-ABS UL94-V0 rated flame retardant polycarbonate
Colour	Storm Grey
Finish	Textured
IP Rating	IP65 (with inlet and outlets ports blocked)
Sampled Air Temp Range	0°C to + 40°C
Sampled Air Humidity Range	Up to 80% RH

Order Codes

61-986-F01	3 Stage Inline Pipe Dust Filter
61-986-F02	Single Stage (Fine Mesh) Inline Pipe Dust Filter
45-028-08	Replacement 3 Stage Filter Mesh
45-028-11	Replacement Single Stage 'Fine' Filter Mesh

Three Stage Filter Specification

Product	Approximate Filtration Particle Size	Application
Coarse Filter	>16µm	Greater concentrations of larger particles and bodies (insects, hair, pollen, flour etc)
Medium Filter	>10µm	As above, but including fine dust (dead skin cells, etc)
Fine Filter	>5µm	Very fine dust in low concentrations

Single Stage 'Fine' Filter Mesh

Product	Approximate Filtration Particle Size	Application
Fine Filter	>5µm	Very fine dust in low concentrations