

FAAST IN-LINE FILTER

Overview

- Allows FAAST installations in a wide array of harsh environments with high levels of airborne contaminants
- Extends FAAST Aspirating Smoke Detector (ASD) longevity and reduces maintenance frequency, delivering increased performance capability
- Filter is easily fitted in-line with the sampling pipe, without the need for any additional pipe fittings
- Plug and play in and outlets allow a quick installation without using glue
- Filter is easily maintained without having to remove it from the pipe network
- Provides optimal airflow direction to maximize filter effectiveness
- Special round design at the air inlets prevent dust accumulation on the lid so that dust cannot fall into the filter box when opening
- Blends seamlessly into the installation providing improved aesthetics
- Approved with FAAST X series and all FAAST LT-200 versions



Description

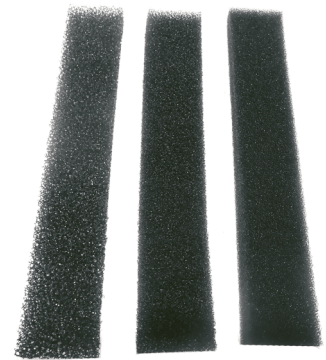
The FAAST In-line Filter is designed to offer improved installations in a wide array of harsh environments with the highest levels of airborne contaminants.

Delivering various key benefits including extending device operation lifetime and maintenance intervals, the FAAST In-Line Filter is simple and quick to install. Plug and Play fitting (with no need for glue), means that this filter can be easily fitted in-line with the sampling pipe, without the need for any additional pipe fittings. The filter can also be maintained without the need for removal from the device, providing increased engineer ease of maintenance.

Fitting and operation of the FAAST In-Line Filter is intuitive; the arrows on the cover and back of the filter indicate the direction of airflow. As the airflow enters the filter housing, it is directed smoothly on the filter elements, which are positioned at certain angles within the filter housing (please see diagram overleaf, which shows filter positions and direction of the airflow in and out of the filter).

This arrangement maximizes the filter element surface area subjected to the airflow, which promotes increased filter effectiveness. Three filter elements (coarse, medium, fine), filter out particles down to approx. 20µm and let smoke particles pass unresisted. The filter is designed to have a minimum resistance for the airflow.

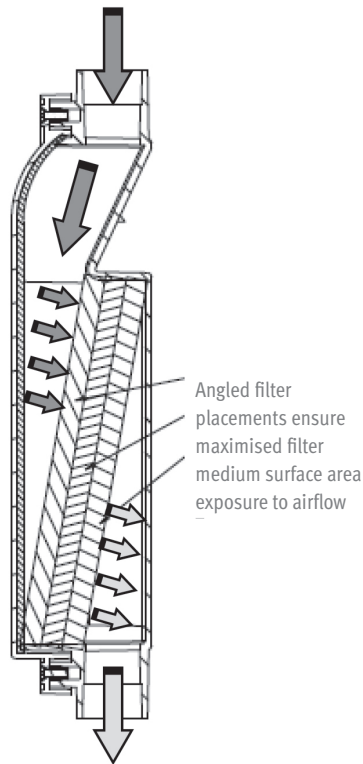
Please note: The filter must be included in the initial pipe design and airflow calculation in the design software Pipe-IQ (version 2.9.x or later).



Coarse Medium Fine

Architect/Engineer Specifications

Contaminated airflow into the filter



Clean airflow out of filter

FAAST In-Line Filter Features

Improves detector longevity

- Less frequent maintenance
- Reduce total cost of ownership

Requires no additional pipe fittings

- Reduce cost of installation

Vertical or horizontal mounting

- Greater flexibility

Compatible with metric (25mm OD) and imperial (1" OD) pipes

- Eliminate need for pipe adaptors
- Conical connections, no glue needed
- Ease of installation

Filter Element

Resistance against Water, Oil and mineral oil, Lubricants and cleaning

Material	Polyurethane open cell foam
Length	170-175mm
Width	29mm
Height (1mat)	9.5 – 10mm
Coarse Filter Mat	20 PPI
Medium Filter Mat	30 PPI
Fine Filter Mat	45 PPI

PPI = Pores Per Inch

Technical Data

Temperature Range	-30°C up to + 70°C
Weight	225gr
Material	ABS
Color	Black with white signage
Length	294mm
Width	44mm
Height	60mm

Part Numbers

Description

F-INF-25	FAAST In-Line Filter (black) incl. 3 stage Filter Element
F-INF-25-RF	FAAST In-Line Filter Elements 3 stage

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