

FAAST Fire Alarm Aspiration Sensing Technology

Automatic Purging Unit F-BO-AFE70-2

ASD systems continuously monitor the air in a protected environment, potentially subjecting the system to contamination over time. In order to prevent the build up of pipe or aspiration hole contaminants, regular ASD system purging with compressed air is essential.

In contrast to conventional purging systems, Honeywell's compact and user-friendly AFE70-2 unit features a single built-in Solenoid valve, which initiates the release of air into the ASD system. This valve also increases reliability by protecting the unit from any compressed air damage and can be accessed through a control board that is integrated into the housing.

Installation time is greatly reduced, thanks to a compact and fully integrated design, removing the need for mechanical and electrical control devices. Further cost savings can be leveraged by a reduced need for cabling and pipe work to commission the system.

With user-definable purging processes and customisable program features, AFE70-2 delivers continuous and uninterrupted air flow and is also optimised to assist with benchmark preventative maintenance regimes, through automatic purging processes that can be set up at specific times. These purging processes are independent of any fault-initiated purging procedures performed by the system.

Designed with the engineer in mind, the system offers excellent flexibility; external devices –such as a push-button or a central timer – can be connected to an input to allow initiation of additional manual or automatic activations of the purging process.



FEATURES

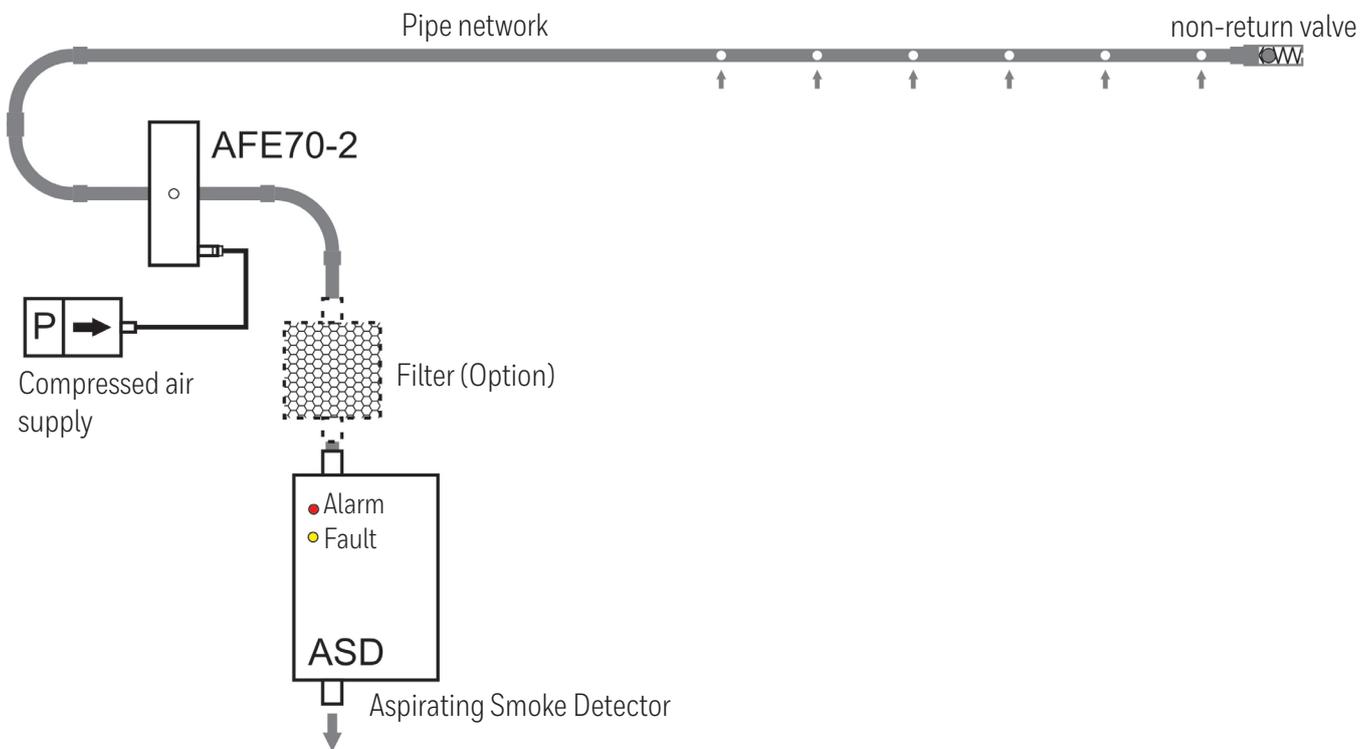
- A fully integrated and compact system, designed for larger pipe networks
- Designed for use in Honeywell Aspirating Smoke Detection (ASD) systems
- Patented design without air resistance (as defined by EN 54-20)
- 6 user selectable preventive or event-triggered purging programs - Short or long purging cycle options
- Internal clock or external clock timer can be connected
- Several systems can be coupled in Master-Slave mode
- Manual control via external push-button
- Automatic initiation if a fault message is received from the ASD system (activating through FACP only)
- Easy commissioning without software tools
- Multicolored LED indicates the system condition

Technical Specification

OPERATIONG VOLTAGE	21.6 ... 30 V DC
CURRENT CONSUMPTION @ 24 V	8 mA (normal condition) 300 mA (solenoid vavle energised)
AMBIENT TEMPERATURE	+5°C ... +50°C
AIR HUMIDITY	< 95 % (non-condensing)
TYPE OF PROTECTION	IP20D
DIMENSIONS (W X H X D)	204 mm x 68 mm x 160 mm
COLOR	gray, similar to RAL 9002
WEIGHT	approx. 3.2 kg

Order information

PART NUMBER	DESCRIPTION
F-BO-AFE70-2	Purging Unit / AFE70-2



For more information

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Installation information: In order to ensure full functionality, refer to the installation instructions as supplied.

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