



Features

- A user-friendly and compact system, designed for larger pipe networks
- Compatible with VESDA, ICAM and FAAS T Aspiration Smoke Detection (ASD) systems
- Patented design without air resistance (as defined by EN 54-20)
- 6 user selectable preventative or event- triggered purging programs - short or long purging cycle options
- Internal clock or external clock timer can be connected
- Several systems can be networked in Master-Slave mode
- Manual control via an 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 system condition

Overview

The Automatic Purging Unit (VSP-820) provides a user-friendly and compact solution with selectable preventative or event triggered purging programs. An intelligent and easy to install design ensures the VSP-820 system is a cost-effective and reliable means of preventing pipe network blockage due to contamination.

Description

ASD systems continuously monitor the air in the protected environment, potentially subjecting the system to contamination over time. In order to prevent the build-up of dust and dirt on sampling holes and pipe network, regular pipe network purging with compressed air is essential.

In contrast to conventional purging systems, the VSP-820 unit features a single built-in Solenoid valve, which initiates the release of air into the pipe network. This valve also increases the reliability of the system by protecting the unit from any compressed air damage and can be accessed through a control board integrated into the housing.

Installation cost is greatly reduced, thanks to the unit's compact design, which removes the need for additional mechanical and electrical control devices. Further cost savings are realized due to reduced cabling and commissioning requirements.

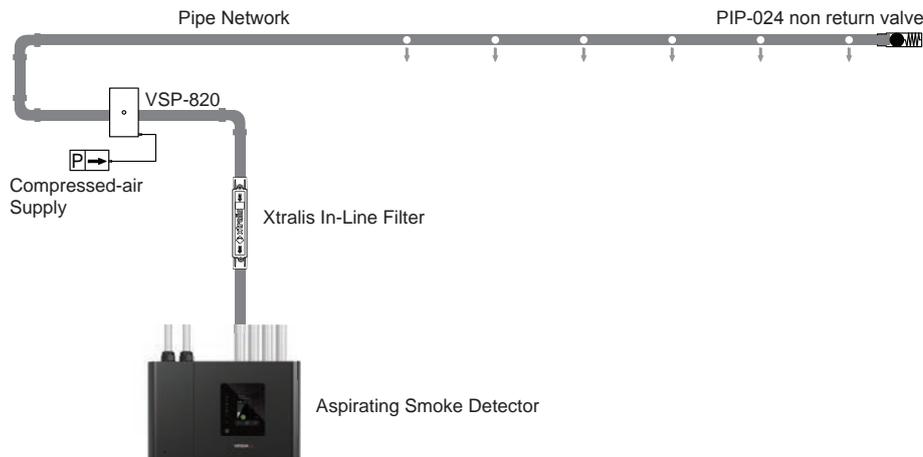
User-definable purging processes and customizable program features allow the VSP-820 to deliver continuous and uninterrupted airflow whilst optimizing benchmark preventative maintenance regimes, through automatic purging processes settable at specific times.

Designed with the engineer in mind, the unit offers additional flexibility through the use of an external push-button or central timer as an input to allow the initiation of additional manual or automatic activations of the purging process.

Automatic Purging Unit

VSP-820

System Configuration



Specification

Supply voltage:

21.6 - 30 VDC

Current consumption at 24 V:

8 mA (normal condition)
300 mA (solenoid valve energised)

Operating temperature:

+5°C to +50°C

IP rating:

IP20D

Relative humidity:

Max. 95% at 40°C

Height:

68 mm

Width:

204 mm

Depth:

160 mm

Housing Cover Colour:

Grey white, RAL 9002

Weight:

Approx. 3.2 kg

Patent number:

AT 514912

Compressed air connection:

Maximum permissible overpressure:

0.7 MPa (7.0 bar)

Recommended minimum pressure:

0.2 MPa (2.0 bar)

Flow rate solenoid valve:

0.2 MPa: typ. 1,300 l/min

0.4 MPa: typ. 2,300 l/min

0.6 MPa: typ. 3,200 l/min

0.7 MPa: typ. 3,700 l/min

Ordering Information

ASD Purge Unit – Single Channel	VSP-820
Non-return valve for pipework	PIP-024

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Doc. no. 32976_02

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