

#### FEATURES

- ✓ A fully integrated and compact system, designed for larger pipe networks
- ✓ Designed for use with Aspiration Smoke Detection (ASD) systems
- ✓ Designed without air resistance
- ✓ 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
- ✓ Easy commissioning without software tools
- ✓ Multicolored LED indicates the system condition



#### PRODUCT DESCRIPTION

The VSP-820 Automatic Purging Unit provides a fully integrated and compact solution with user-selectable preventative or event triggered purging programs. An intelligent and installation-friendly design ensures a cost effective and reliable means of preventing pipe network contaminant blockages.

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, this compact and user-friendly 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, the VSP-820 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.

*Note: This is an indent item, lead times may apply.*

**TECHNICAL SPECIFICATIONS****PURGING UNIT**

Height	68mm
Width	204mm
Depth	160mm
Housing cover colour	Grey White, RAL 9002
Weight	3.2kg approx.
Patent number	AT 514912

**ENVIRONMENT**

Operating temperature	+5°C to +50°C
Recommended minimum pressure	IP20D
Relative humidity	Max 95% at 40°C

**COMPRESSED AIR CONNECTION**

Max. permissible overpressure	0.7MPa (7.0 bar)
Recommended minimum pressure	0.2MPa (2.0 bar)
Flow rate solenoid valve	0.2MPa: typ. 1,300L/min 0.4MPa: typ. 2,300L/min 0.6MPa: typ. 3,200L/min 0.7MPa: typ. 3,700L/min

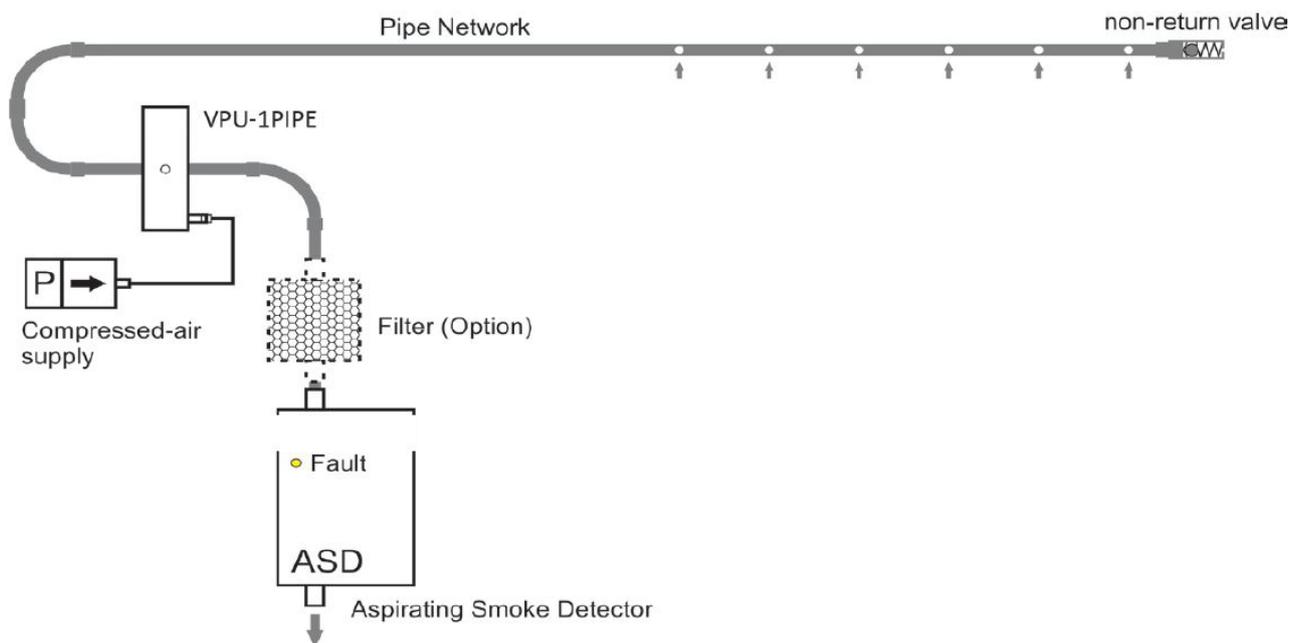
**ELECTRICAL SPECIFICATION**

Supply voltage	21.6 - 30Vdc
Current consumption @ 24V	8mA (normal condition) 300mA (solenoid valve energised)

**ORDERING INFORMATION**

VSP-820	Purging Unit/Single Pipe
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#### SYSTEM CONFIGURATION



**Note:** Required to be connected to a compressed air supply system.