



Aspirating Smoke Detectors (ASD) are widely used in critical environments such as data centers, cold storage, industrial and commercial facilities. These systems rely on a network of sample pipes installed within the protected area that draw ambient air through sample holes to a central detection unit. Over time, airborne dust, lint, and contaminants can build up inside pipes and sample holes, reducing airflow and degrading detector performance. In cold storage, moisture accumulation can even cause ice plugs that block airflow entirely.

SureFlow Pro is an industrial-grade, fully automatic purge controller designed to keep ASD pipe networks clear and performing at peak sensitivity. Engineered for reliability and efficiency, it delivers intelligent, scheduled purging cycles that reduce maintenance costs and extend the life of ASD systems.



Available in both **1-port and 4-port versions**, SureFlow Pro adapts to any installation. With rugged **IP67 housing**, seamless ASD integration, and **NFC smart programming** via the **ASD InspectPro™ App (iOS/Android)**, it ensures consistent performance even in the harshest environments. All commissioning and inspection data - including program settings, purge history, and unique serial numbers - are securely stored for compliance and asset tracking.

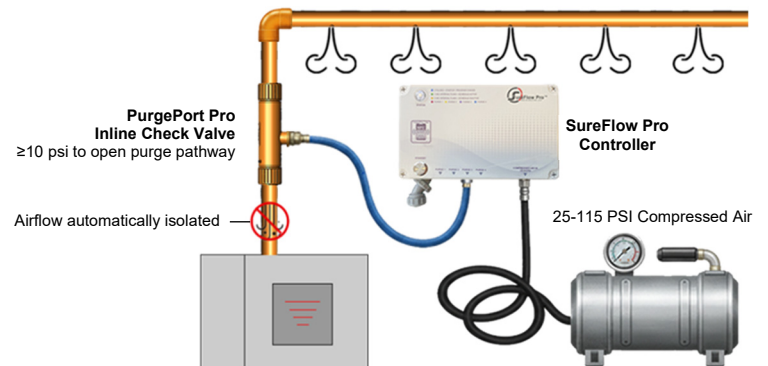
When paired with the **PurgePort Pro™ in-line check valve**, SureFlow Pro delivers fully automated purging with no manual intervention, removing the need for solenoids or ball valves and reducing failure points.

Benefits

- Ensures reliable ASD performance in demanding environments
- Maintains peak detection sensitivity
- Reduces unscheduled service calls
- Extends filter and sensor lifespan
- Fast, intuitive out-of-box setup

Key Features

- Available in 1-port or 4-port models
- Industrial-grade IP67 housing for harsh conditions
- Contactless NFC programming via ASD InspectPro App
- Multi-function status LED for easy diagnostics
- Supervised push-button triggered standby mode (jumper disable)
- Supervised Input triggered standby mode
- Supervised relay output for fault, standby, or power loss
- Built-in protection: reverse polarity, surge, EMI/RF
- Integrated silencer for quiet operation
- Made in the USA, backed by a **2-year warranty**



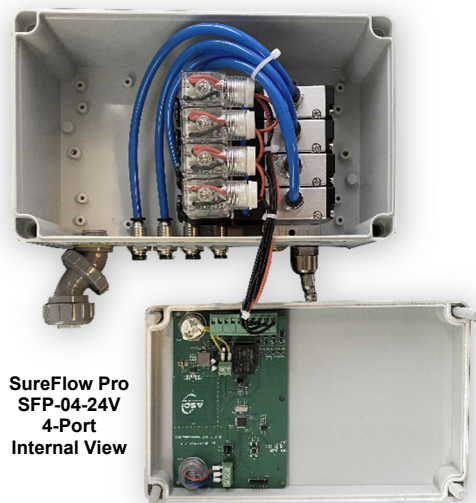
InspectPro™ App
(screen examples)



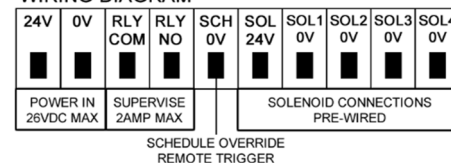
SureFlow Pro™ - Protecting ASD system performance where it matters most

Technical Specifications

Models	SFP-01-24V (Single-Port Controller) SFP-04-24V (Four-Port Controller)
Power	Voltage: 22-26 VDC Current: 30mA Standby, 250mA (Purge)
Housing	IP Rating: IP67 (IEC 60529) Material: rustproof ABS Qualifications: CE
Dimensions & Weight	Single-Port: 7.50 x 6 x 4 in. 2.30 lbs Four-Port: 9.50 x 6 x 4 in. 3.25 lbs
Supervision	Normally Open Relay, 2A/30 VDC Opens on fault, power loss, or standby
Programming	Contactless NFC via InspectPro™ App (Android/iOS)
Display	Onboard: RGB Status LED Offboard: App display of all parameters
Scheduler	Cycle: day, hour, minute, second Purge duration: minute, second
Controls	Supervised Standby Stainless Push Button (jumper disable) Standby input (0V)
Couplers	Air In: 1/4" Industrial Air Fitting Purge Out: 3/8 in. tube push-to-connect
Compressed Air	25-115 PSI Requirement: Oil-free, ISO 8573-1:2010 Class 1.4.1
Compatibility	Suitable for all Aspirating Smoke Detection (ASD) systems



WIRING DIAGRAM



Specifying

Aspirating Sampling Smoke Detection (ASD) pipe networks shall be equipped with an automated purge controller purpose-built for ASD applications. The controller shall provide programmable purge cycles to maintain airflow and detector sensitivity by removing dust and debris from the sampling network.

The controller shall be housed in an IP67-rated rustproof enclosure suitable for industrial environments and available in 1-port and 4-port models. Programming shall be performed via a contactless NFC interface (iOS/Android), enabling purge scheduling by day, hour, minute, or second; selective port enable/disable; purge duration adjustment; and secure storage of commissioning and inspection records for compliance and traceability.

The controller shall provide visual status indication and a supervised standby control, disable-selectable via internal jumper. A normally closed supervised relay output shall open upon power loss, standby, or system fault. Electrical protection shall include reverse polarity protection, surge suppression, and EMI/RF immunity.

Connections shall include a 1/4-inch industrial air inlet and 3/8-inch push-to-connect outlets. The unit shall incorporate an integrated silencer for quiet operation and a printed wiring diagram on the enclosure for installation support.

When used with an inline check valve accessory, such as PurgePort Pro™, the controller shall provide fully automated purging without human intervention, isolating the detector during purge cycles and restoring normal operation automatically.

The purge controller shall be **SureFlow Pro™ by ASD Accessories, LLC**, or approved equal.

Ordering Info (www.asdaccessories.com)

- SFP-04-24V SureFlow Pro 4-port Purge Controller
- SFP-01-24V SureFlow Pro 1-Port Purge Controller
- CLN-T-34 PurgePort Pro™ inline purge check valve



SFP-04-24V
SureFlow Pro
4-Port



SFP-01-24V
SureFlow Pro
1-Port



CLN-T-34
PurgePort Pro
Inline Check Valve

Download ASD InspectPro™

