

SL: Exhaust Protection System

The Exhaust Protection System (model SL) has excellent exhaust and silencing characteristics with minimal resistance to air flow. In addition, it has an integral check valve that enables the maximum IP protection. This product is made with special polymeric material which is compliant with ATEX directives for use in an explosive atmosphere. The exhaust protection system is designed to incorporate a very low back-pressure, ensuring a very high exhaust flow.

Key features

- > Suitable for:
 - Standard, offshore, sandstorm and copper-free ambient conditions
 - Single and double acting actuators
 - Low and high ambient temperature

Benefits

- > High exhaust flow
- > The dissipation of exhaust flow energy is through a cage labyrinth system. This is self cleaning and therefore minimises clogging
- > Includes an integral check valve that maintains a very low back-pressure to permit quick opening. This allows high dynamic movement and the check valve will close immediately the when the exhaust flow stops
- > Where the SL system is installed the internal check valve also protects devices from dust or other materials when there is no exhaust flow
- > The special design of the labyrinth allows installation in any orientation, minimizing the ingress or storage of water into the SL system
- > Made of stainless steel and plastic material suitable for use in hazardous areas (To ATEX standard)

High exhaust flow



Silencer with 3 elements



Silencer with 5 elements

Can be installed in any orientation

Technical specifications

Housing materials

Stainless steel 316 + Antistatic polymeric

Operating temperature

-40°C to 85°C

Connections

Flange mounted

CV max

3 elements = CV 40

5 elements = CV 50

Design pressure

10 bar

IP protection

IP 65

Weight

3 elements = 0.8 kg

5 elements = 1.2 kg

Dimensional drawing

