



# SL | Exhaust protection system



## Product description

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 design incorporated a very low back-pressure, ensuring a very high exhaust flow.

## Advantages

- **High exhaust flow**
- **Exhaust flow dissipation of energy through a cage labyrinth system which is self cleaning minimize clogging**
- **Includes an integral check valve that maintains a very low back-pressure to permit quick opening allowing high dynamic movement (the check valve will immediately close at the end of exhaust flow)**
- **Internal check valve also serves to protect devices where the SL system is installed, from dust or any other material when there isn't 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 (ATEX)**

## Key features

### Suitable for

- Standard, Offshore, Sandstorm, copper free ambient condition
- Single and double acting actuators
- Low and high ambient temperature

## Technical specifications



Silencer  
(3 elements)



Silencer  
(5 elements)

### Housing materials

- Stainless steel 316
- + antistatic polymeric

### Operating temperature\*

- -40°C / +85°C

### Connections

- Flange mounted

### Weight

- 3 elements = 0,8 kg
- 5 elements = 1,2 kg

### CV Max

- 3 elements = CV 40
- 5 elements = CV 50

### Design pressure

- 10 bar

### IP Protection

- IP 65

(\*) Lower or higher temperature available on request.

## Dimensional drawing

