

Process Automation

IMI STI

SL

Exhaust Protection System





Silencer (3 elements).

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.

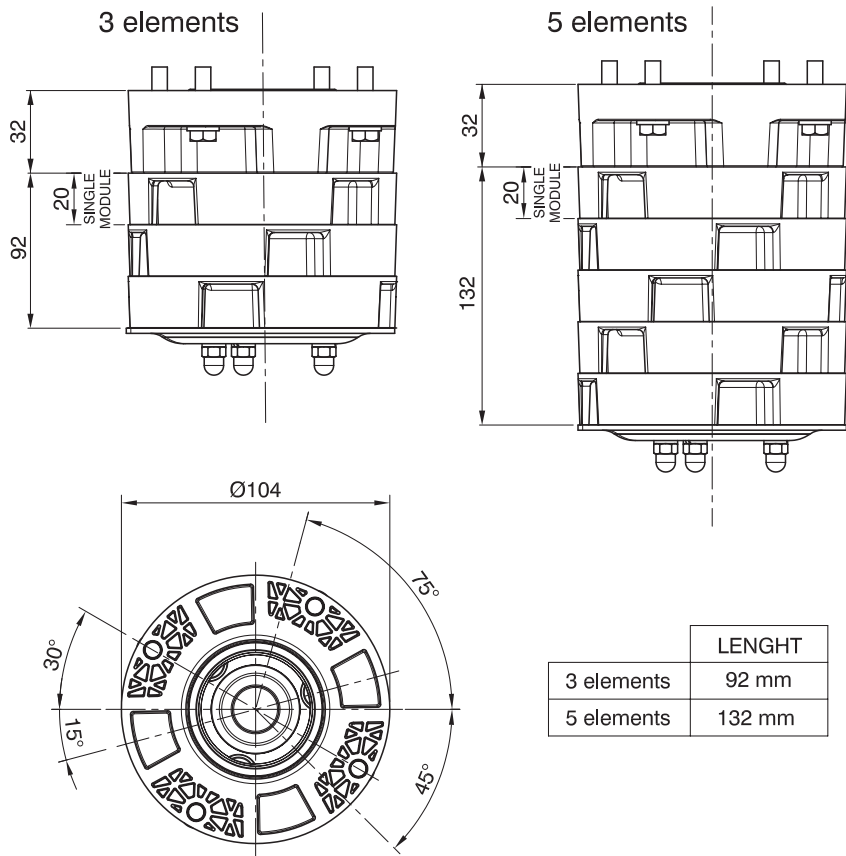
Product features

Suitable for standard, offshore, sandstorm and copper-free ambient conditions.	Single and double acting actuators.	Low and high ambient temperatures.
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Technical specifications

Housing materials Stainless steel 316 + Antistatic polymeric	CV max 3 elements = CV 40 5 elements = CV 50	Weight 3 elements = 0.8 kg 5 elements = 1.2 kg
Operating temperature -40°C to 85°C	Design pressure 10 bar	
Connections Flange mounted	IP protection IP 65	

Dimensional drawing



Silencer (5 elements).

Benefits

High exhaust flow. The dissipation of exhaust flow energy is through a cage labrynth 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).
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