MEGASOL Marine

DATA SHEET

Description

MEGASOL Marine (MEtering of GAs by SOLenoid) is an electrically actuated gas gas admission valve for marine applications. It is intended for marine gas and dual fuel engines.

For gas injection, each cylinder is fitted with a MEGASOL Marine valve in the intake manifold. It is designed to operate with a comparatively high differential pressure of supplying air and gas. Together with HEINZMANN's DARDANOS series applying MVC (Magnetic Valve Control) MEGASOL Marine ensures precise gas dosing and allows individual gas flow compensation for each cylinder.

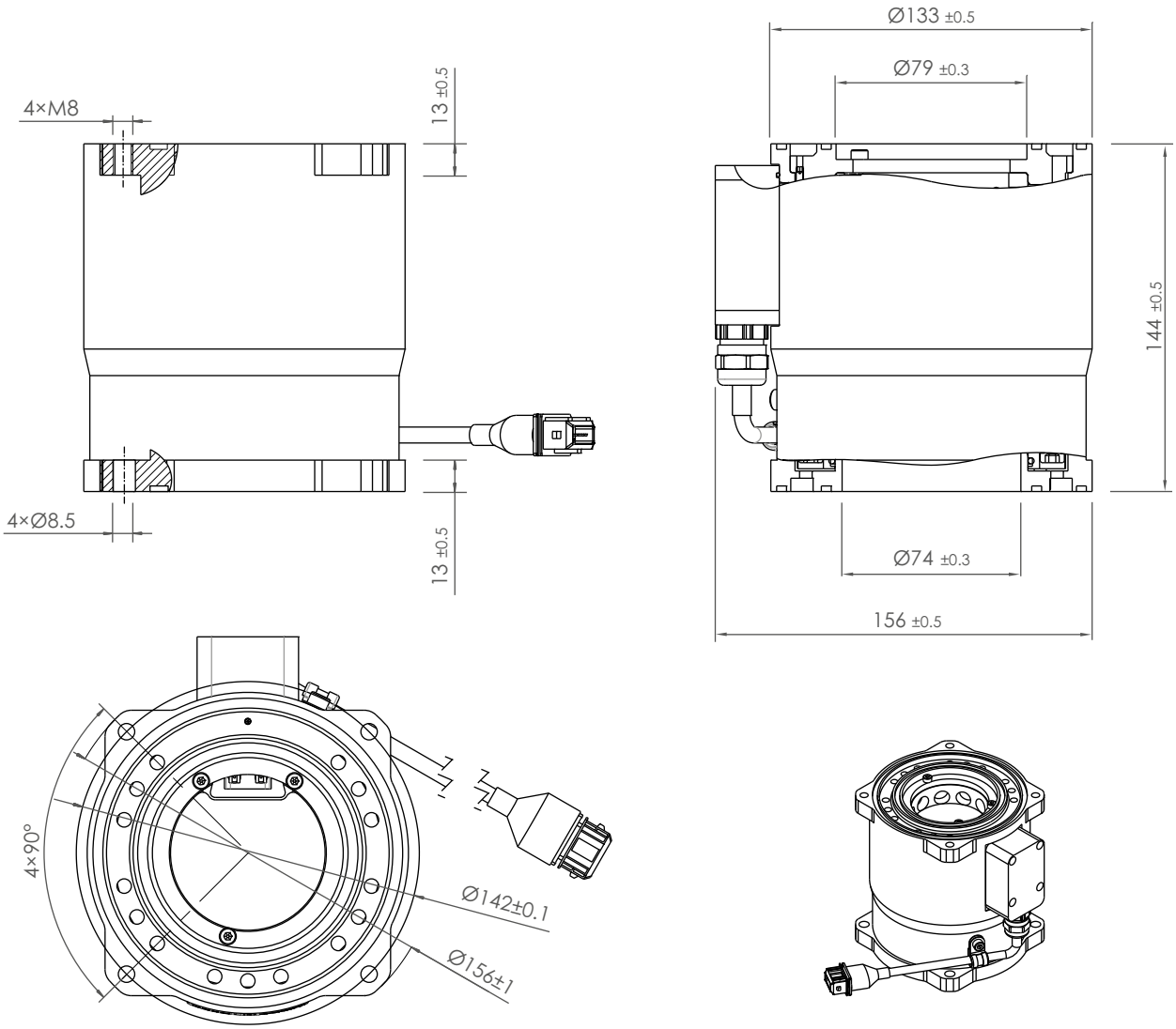
Features

- Precise metering of gas quantity for each cylinder individually
- Fast response and excellent load behaviour of engine
- Very low leakage when closed
- Double-walled housing for leakage detection made of stainless steel
- Suitable for alternative fuels such as hydrogen
- Applicable on new engines as well as for retrofit solutions

Technical data

MEGASOL Marine	200	250	400	425
Flow rate (Z-Value)	55	69	105	128
Supply voltage	90 VDC			
Max. differential pressure Δp	< 3.0 bar / 43 psi			
Max. absolute pressure air supply	6 bar / 87 psi			
Max. absolute pressure gas supply	8 bar/ 116 psi			
Leakage when closed (Δp = 1 bar, 20 °C)	<0,25 % of steady state flow-rate			
Permissible max. backfire pressure, peak	0.5 bar / 7.25 psi			
Operating temperature	-20 °C ... +105 °C / -4 °F ... +221 °F			
Max. temperature gas supply	80 °C / 176 °F			
Response time to fully open after signal on (Δp = 1bar)	< 3 ms			
Response time to fully close after signal off (Δp = 1bar)	< 2 ms			
required air and gas filtration	5 µm			
Diameter gas inlet	79 mm / 3.12 inch			

Dimensions



Certificates

On request

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