

Fig.576 Explosion proof solenoid valve

Features

- Robust industrial 5/2 and 3/2 way solenoid valve.
- Body and coil material are available in both extruded aluminium and SS316.
- Excellent for usage in hazardous area with explosion proof Exd II CT6.
- Designed with “environmentally-protected structure”, offer excellent environmental protection against the ingress of liquids, dusts or other foreign matters.
- NAMUR standard for direct mounting on actuators.
- Manual operation for use in testing or when lack of supply voltage.
- The spring affected piston ensures that the solenoid valve returns to its starting point at power failure.
- 100% quality control. Each solenoid valve is function tested and pressure tested.
- CE approved.



Specifications

Item	Specification
Valve body material	Extruded aluminium or stainless steel 316
Coil material	Extruded aluminium or stainless steel 316
Seal	NBR
Construction	5/2, 3/2NC
Air consumption	1082L/min
Flow capacity	Cv = 1.1 (19.63mm ²)
Air ports	1/4" BSPP or NPT
Assembly	24×32 NAMUR, manual override on body
Fasteners	Stainless steel
Medium temperature	-25°C~+80°C
Working pressure	2bar~8bar
Working medium	Less than 40µm filtered and dried air
Working lifetime	More than 1,000,000 cycles (under normal working conditions)
Operating voltage	12/24/48VDC-3.5W, 110/220/240VAC-4VA (50/60Hz)
Wiring connector	M20×1.5 or 1/2"NPT
Coil insulation protection	F class coil (H class on required)
Weather proof	IP67
Explosion proof	Exd II CT6
Coil operating temperature	-20°C~+60°C

Dimensions

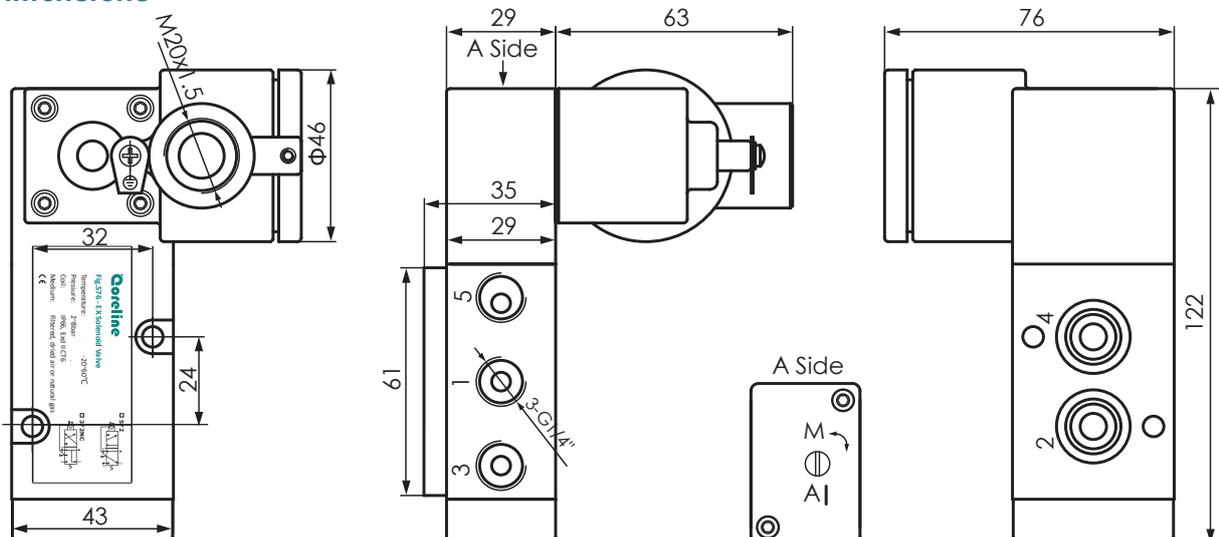
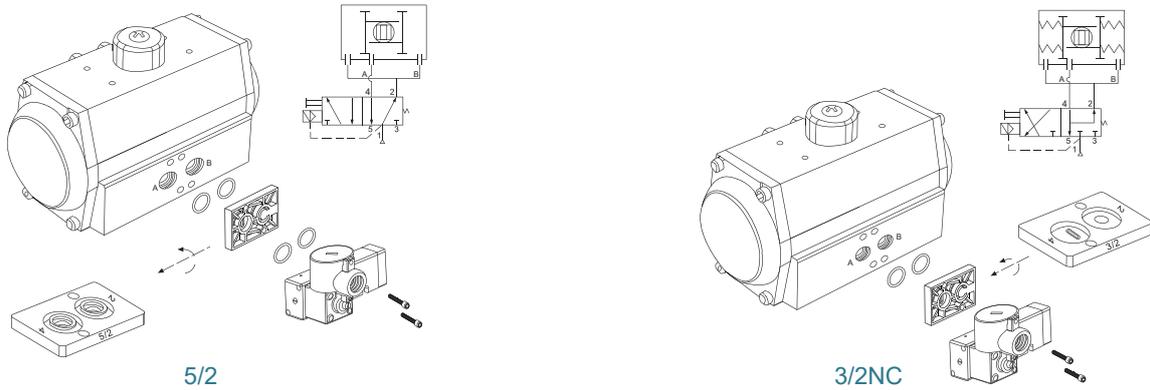
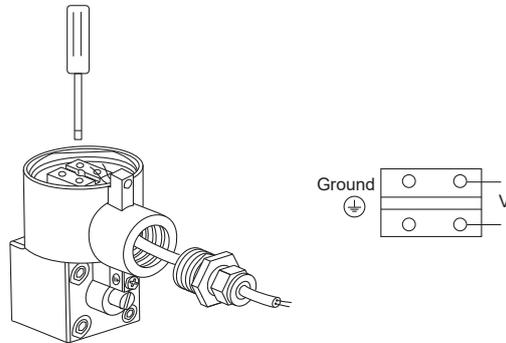


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Assembly



Coil electrical connection

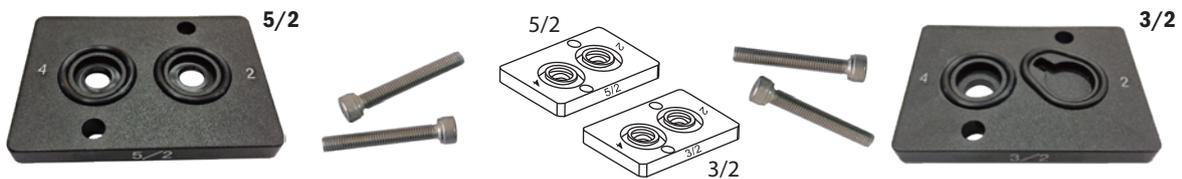


Note:

M20-1.5(or 1/2" NPT) Exd Cable. Gland is not included. Please contact us if required.

NAMUR interface plate

As for Fig.576 EX solenoid valve, the same valve equipped with 3/2 and 5/2 function NAMUR interface plates can be adapted for 3/2 NC or 5/2 functions to control double-acting and single-acting pneumatic actuators.



Coreline

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