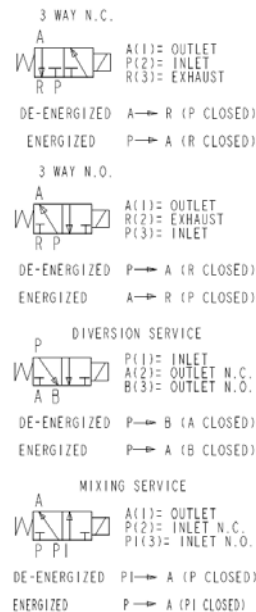
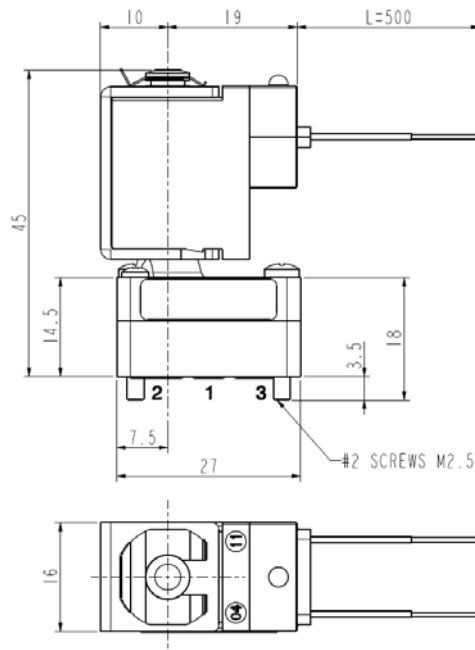




SOLENOID VALVE - DRY 3/2 - US (Universal service) Direct acting - Total isolation Sub-base

D351

VACUUM SERVICE



► GENERAL FEATURES

Total isolation micro solenoid valve: the actuator is totally isolated from the fluid so that the wetted parts are just the body and the diaphragm.

Reduced internal volume: 67µl. Possibility of disassembling for inspection.

The parts subject to sliding friction are duly coated by PTFE (polytetrafluoroethylene) based self lubricating material.

Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

► TECHNICAL FEATURES

Maximum allowable pressure (PS) 3 bar
Opening time ~30ms (~50ms with vacuum)
Closing time EPDM ~30ms (~50ms with vacuum)
FPM ~60ms (~50ms with vacuum)
FFPM ~90ms (~50ms with vacuum)

Fluid temperature -10°C +60°C
Max viscosity 5°E (~37 cStokes or mm²/s)

► MATERIALS IN CONTACT WITH FLUID

Body PEEK (Polyketones)
Sealing EPDM or FPM or FFPM

► COIL

Continuous duty ED 100%
Encapsulation material PA (polyamide) fiberglass reinforced
Yoke External in zinc plated steel
Insulation class F (155°C)
Ambient temperature -10°C +60°C
Electric connections N° 2 wires AWG 24
Protection degree IP 66 (EN 60529)
Voltages DC 24V (+10%; -5%)
(Other voltages on request)

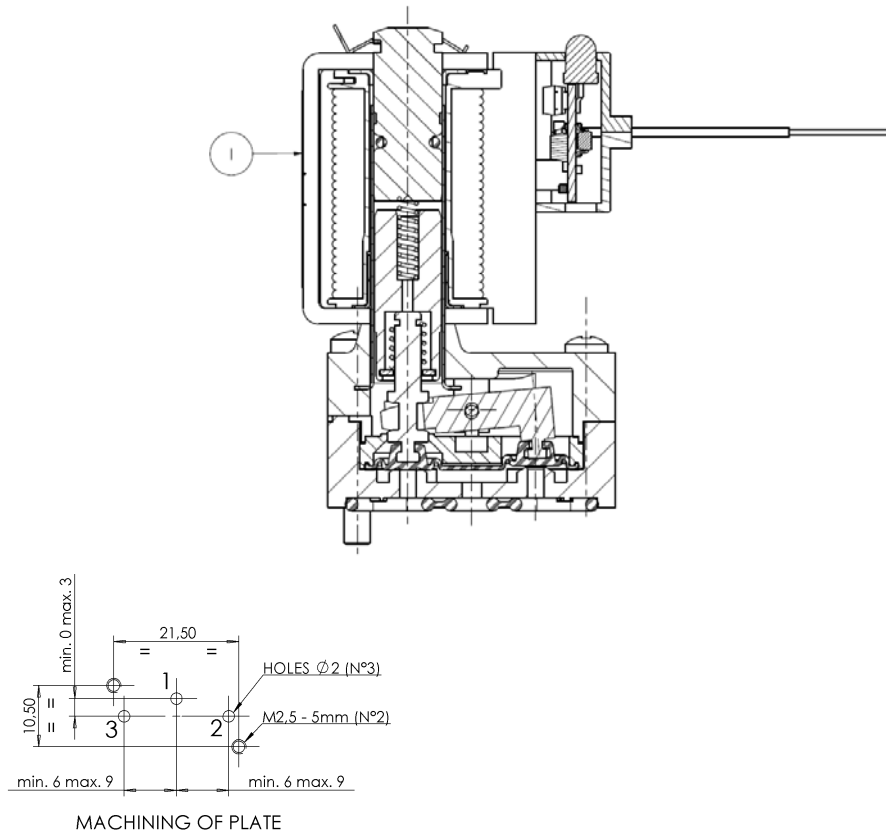
Port size ISO 228	Orifice size (mm)	Differential pressure (bar)					Kv (m³/h)	Series and type		Power absorption		Sealings	Notes	Weight (kg)
		Δp min	Δp max											
			Gases		Liquids									
			AC	DC	AC	DC			Valve	Coil	DC (W)			
									Inrush	Holding				
Sub-base	1,5	0	-	2,4	-	2,4	0,03	D351D10G	ZE37M	8	1,5	EPDM	1 - 2	0,040
								D351V10G				FPM		
								D351Z10G				FFPM		

► NOTES

- Sealings: EPDM = Ethylene-propylene elastomer FPM = Fluoro-carbon elastomer FFPM = Perfluorated elastomer
- 1 - Suitable for vacuum at any port up to 730mmHg
- 2 - Coil with PWM power supply system: inrush power absorption 8W for 200 ms. Equipped with red LED for power supply signal.

1109/1303

► SPARE PARTS



Kit description

Coil

Kit P.N.

ZE37M

Consisting of:

Coil pos. 1

► MOUNTING

- Solenoid valve can be mounted in any position.
- Valves delivered with sealing O-rings.
- M2,5 screws for sub-base mountings have to be tightened at torque between 0,8 and 1,2 Nm.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST.