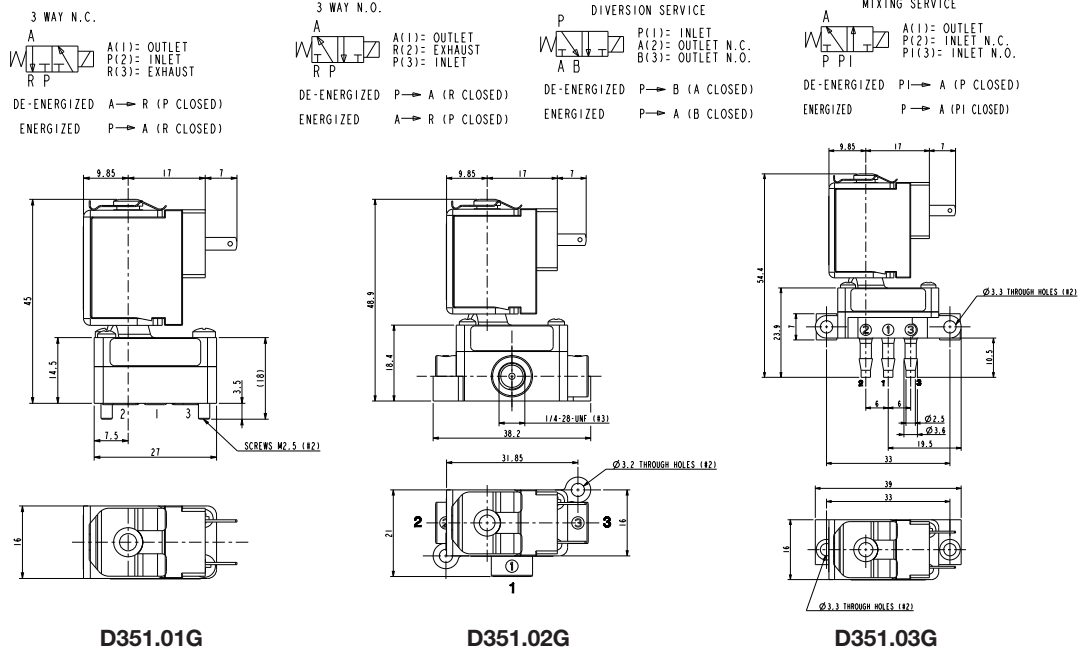


ASCO™ MICRO SOLENOID VALVE - DRY

3/2 UF - DIRECT ACTING - TOTAL ISOLATION - SUB-BASE - 1/4-28 UNF - BARBED PORTS

SERIES
D351



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	~20ms
Closing time	~ 30ms (EPDM) ~ 60ms (FPM) ~ 90ms (FFPM)
Fluid temperature	-10°C +80°C
Max viscosity	5°E (~37 cStokes or mm ² /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	DIN 46340 with micro plug connector
Protection degree	IP 65 (EN 60529) with micro plug connector
Voltages	DC
	12-24V (+10% -5%) (Other voltages on request)

Port size	Orifice size (mm)	Δp min	Differential pressure (bar)				Kv (m ³ /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)	
			Δp max					Valve	Coil	AC (VA)		DC (W)				
			Gases		Liquids					Inrush	Holding					
Sub-base	1,5	0	-	2,4	-	2,4	0,03	D351D01G	ZE30A	-	-	4	EPDM	1	0,040	
								D351V01G					FPM			
								D351Z01G					FFPM			
								D351D02G					EPDM			
								D351V02G					FPM			
								D351Z02G					FFPM			
								D351D03G					EPDM			
1/4-28 UNF																
Barbed ports																

Notes

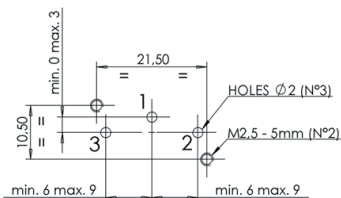
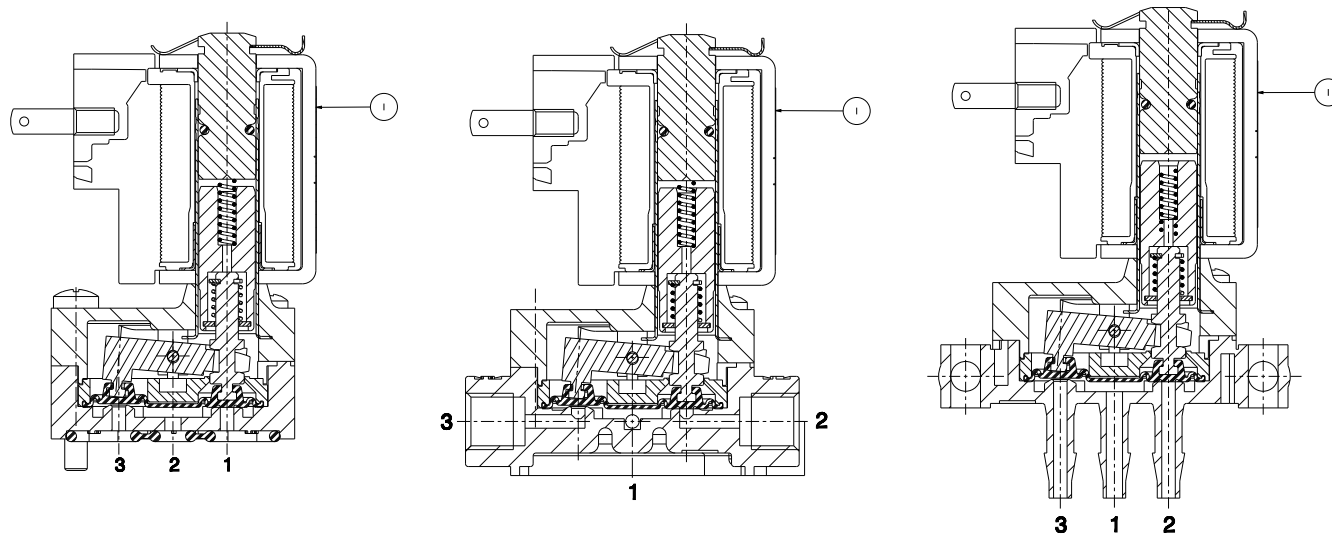
- Sealings: EPDM = Ethylene-propylene elastomer FPM = Fluoro-carbon elastomer FFPM = Perfluorate elastomer
- For use in vacuum applications, ask for details.
- 1 - Model available on request only: ask for minimum quantity.

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Spare Parts



MACHINING OF PLATE

Kit description	Kit P.N.	Consisting of:
Coil	ZE30A	Coil pos. 1

Installation

- 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