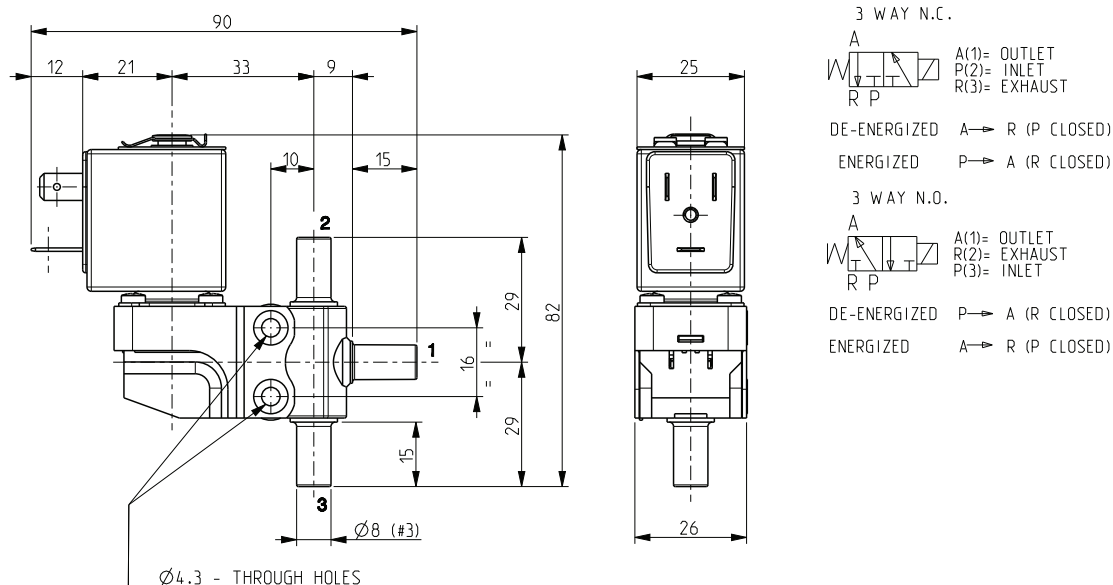


ASCO™ SOLENOID VALVE - DRY

3/2 NC - NO - DIRECT ACTING - TOTAL ISOLATION - BARBED PORT

SERIES
D318



General Features

Direct acting, total isolation solenoid valve: the actuator is totally isolated from the fluid so that the wetted parts are just the body and the lever-seal.

Possibility of disassembling for inspection.

Core 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)	12 bar
Opening time	~ 25ms
Closing time	~ 25ms
Fluid temperature	-10°C +100°C
Max viscosity	5°E (~37 cStokes or mm²/s)

Materials in Contact with Fluid	
Body	PEI (Polyetherimide)
Sealing	EPDM or VMQ or FPM

Coil	
Continuous Duty	ED 100%
Encapsulation material	PET (polyethylene terephthalate) fiberglass reinforced
Insulation class	F (155°C)
Ambient temperature	-10°C +60°C
Electric connections	DIN 46340 - 3 poles connector
Protection degree	IP 65 (EN 60529) with plug connector
Voltages	DC 12-24V (+10% -5%)
	AC 24V/50-60Hz - 110V/50-60Hz (120V/60Hz) 230V/50-60Hz (+10% -15%) (Other voltages and frequencies on request)
On request	UL approved version (see notes)

Port size	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	AC (VA)		DC (W)				
								Inrush	Holding							
Barbed port	3,4	0	1	1	1	1	0,30	D318D03C	Z610A	16	10	6	EPDM	NC - 1	0,180	
								D318S03C					VMQ			
								D318V03C					FPM			
			2,5	2	2,5	2		D318D03A					EPDM			NO - 2
								D318V03A					FPM			

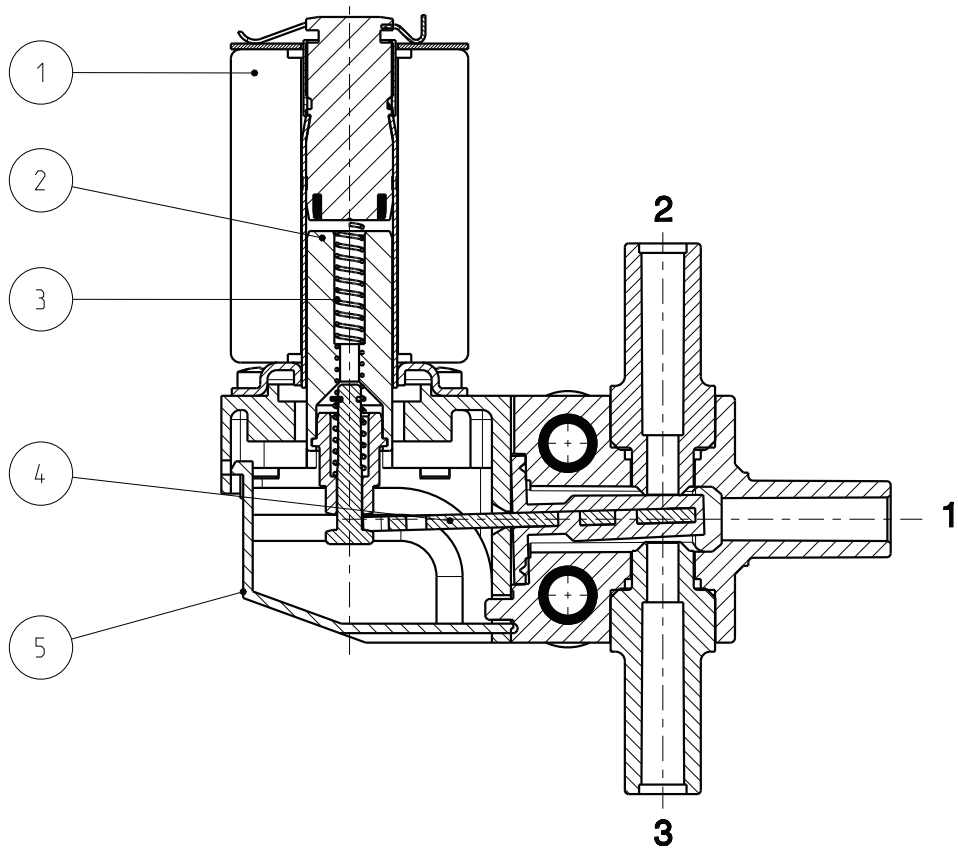
Notes

- Sealings : EPDM = Ethylene-propylene elastomer FPM = Fluoro-carbon elastomer VMQ = Silicone elastomer
- On request UL approved coil (Z614A - class "H" - ambient temperature -10°C +60°C)
- 1 - Suitable for diverting operation with Δp max=6 bar (inlet pressure at port 1 by using either port 2 or 3 as outlets free from throttling).
- 2 - Model available on request only: ask for minimum quantity.

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D318

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Spare Parts



Kit description	Model	Kit P.N.	Consisting of:
Core kit	D318D-S-V03C	G3049601	Core pos.2
	D318D-V03A	G3049602	Core return spring pos.3
Lever seal	D318D03C-D03A	2815206R	Lever seal pos.4
	D318S03C	2815202R	
	D318V03C-V03A	2815203R	
Cover kit		G2883901	N. 10 cover pos. 5
Coil		Z610A	Coil pos. 1

Installation

- Solenoid valve can be mounted in any position.

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