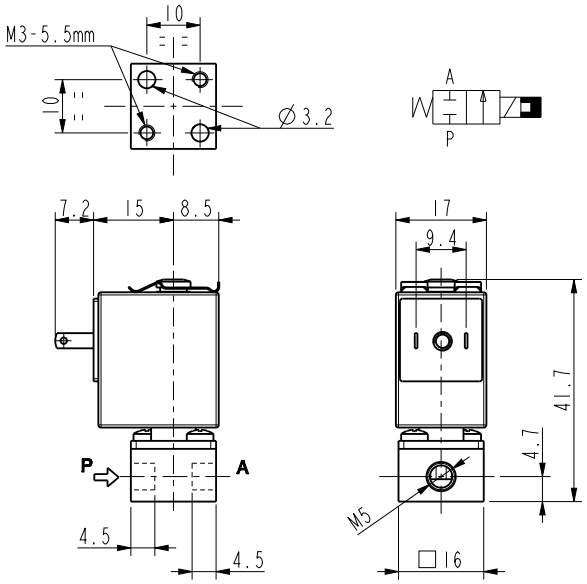
ASCO™ MICRO SOLENOID VALVE

2/2 NORMALLY CLOSED – DIRECT ACTING - M5

SERIES
V165



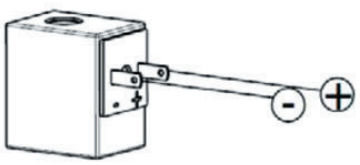
General Features

Direct acting micro solenoid valve; minimum overall dimensions.
Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

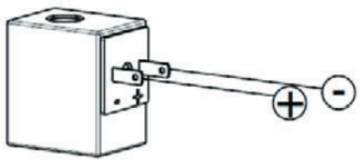
Technical Features	
Maximum allowable pressure (PS)	16 bar
Opening time	from ~5ms to ~10ms
Closing time	from ~5ms to ~10ms
Fluid temperature	0°C +130°C
Max viscosity	3°E (~22 cStokes or mm²/s)

Materials in Contact with Fluid	
Body	Brass
Sealing	FPM
Internal components	Stainless steel
Seat	Brass
Core tube	Stainless steel

Coil		
Duty		ED 100%
Min energizing time		20ms
Max energizing time		50ms
Encapsulation material		PP-V0 (self-extinguishing polypropylene) fiberglass reinforced
Insulation class		A (105°C)
Ambient temperature		-10°C +60°C
Electric connections		DIN 46340 - 3 poles micro plug connectors
Protection degree		IP 65 (EN 60529) with micro plug connector
Voltages	DC	6-12V (+10% -10%)
		(Other voltages on request)



OPEN VALVE



CLOSED VALVE

Port size ISO UNI 4534	Orifice size (mm)	Differential pressure (bar)					Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max												
			Gases		Liquids			Valve	Coil	AC (VA)		DC (W)			
			AC	DC	AC	DC				Inrush	Holding				
M5	2	0	-	2	-	2	0,10	**V165V17**	**Z070D**	-	-	2	1	-	0,060
	2,5			0,05		0,05	0,12	**V165V07**	**Z070L**			0,5	FPM		

Notes

- These micro-solenoid valves are not suitable for stagnating media subject to vaporization which deposit solid, calcareous, incrusting residues or similar.
- Seal: FPM = Fluoro-carbon elastomer

1 – On request grease/oil free version (V165V17L)

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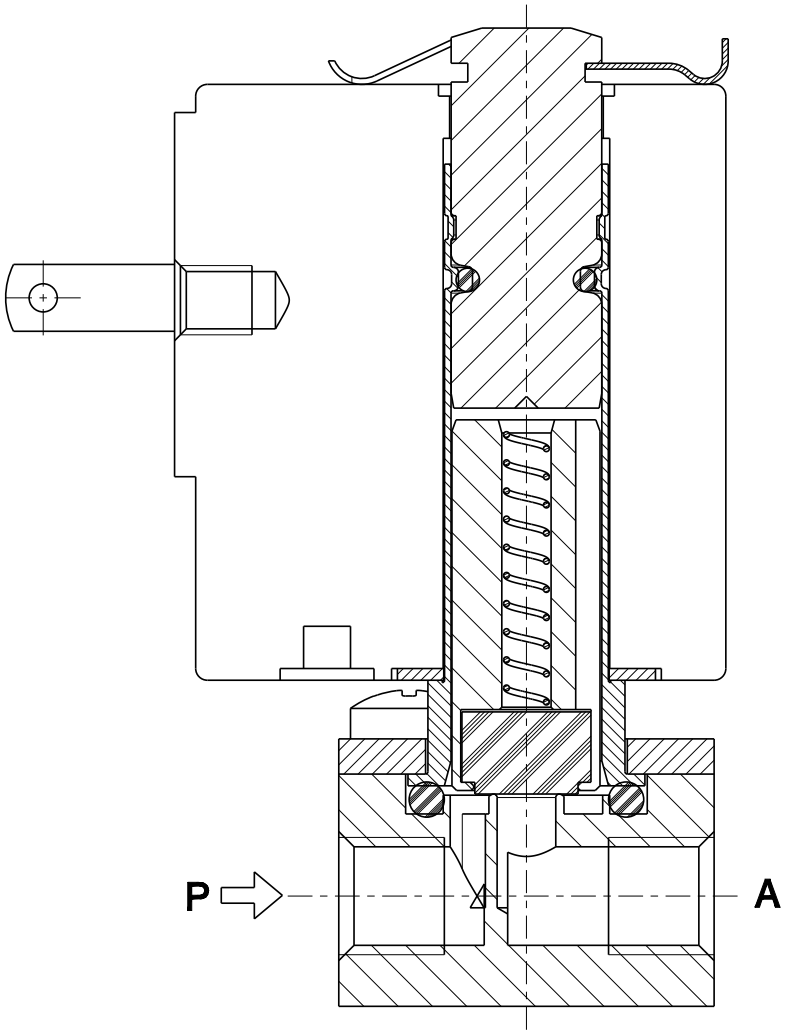
Spare Parts



Installation

- Solenoid valve can be mounted in any position; vertical with coil upwards preferred.
- In case of disassembly for maintenance, it is important that the solenoid valves be reassembled with the respective components. An eventual exchange of components (the coil included) between different valves can compromise its operation. The potential replacement of the coil should necessarily be made in factory.