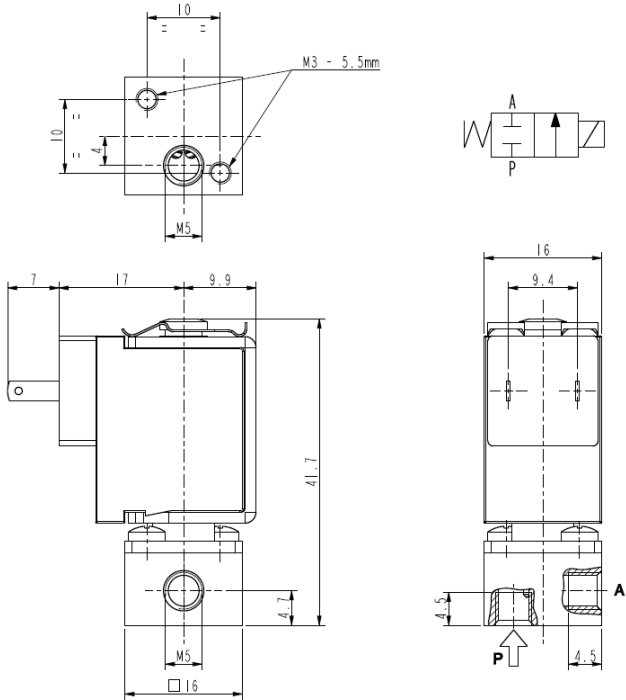




**MICRO SOLENOID VALVE**  
**2/2 - NC (Normally closed)**  
**Direct acting**  
**M5**

**V165v09**



► **GENERAL FEATURES**

Direct acting micro solenoid valve; minimum overall dimensions.  
 Quick response time and high number of cycles.  
 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 mm<sup>2</sup>/s)

► **MATERIALS IN CONTACT WITH FLUID**

*Body* Brass with chemical nickel coating (Ni-P)  
*Sealing* FPM  
*Internal components* Stainless steel  
*Seat* Brass with chemical nickel coating (Ni-P)  
*Core tube* Stainless steel

► **COIL**

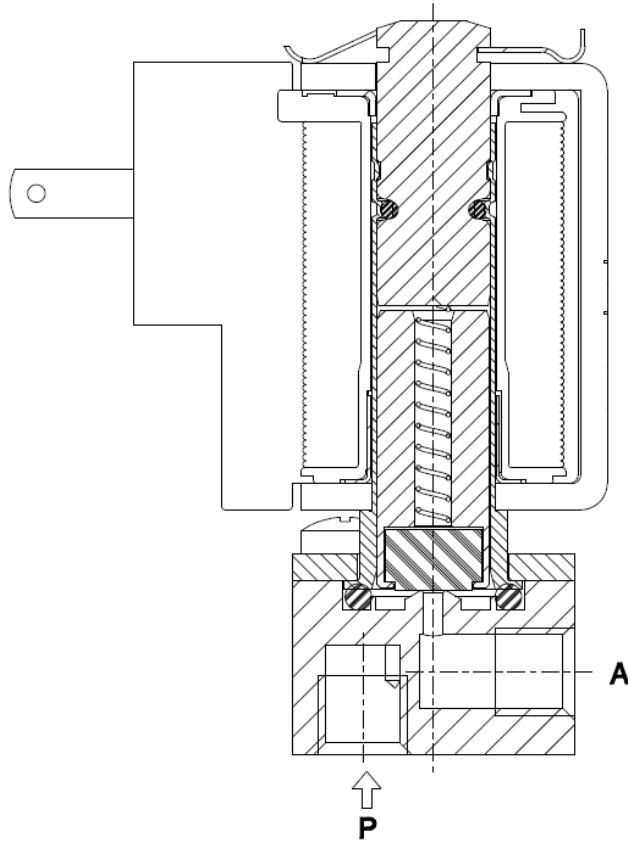
*Continuous duty* ED 100%  
*Encapsulation material* PA (Polyamide) fiberglass reinforced  
*Insulation class* F (155°C)  
*Ambient temperature* -10°C +60°C  
*Electric connections* DIN 46340  
*Protection degree* IP 40 (EN 60529) with female wire terminals  
 2,8 x 0,5 totally insulated  
*Voltages* DC 12-24V (+10% -5%)  
 (Other voltages on request)

Port size ISO-UNI 4534	Orifice size (mm)	Differential pressure (bar)				Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)	
		Δp min	Δp max				Valve	Coil	AC. (VA)		DC. (W)				
			Gases		Liquids				Inrush	Holding					
			AC	DC	AC										DC
M5	1,1	0	-	10	-	10	0,04	V165V09	ZE30C	-	-	2,5	FPM	1	0,060

► **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
- Available with Z031C coil on request (Electric connections: DIN 46340 – micro plug connector; Protection degree: IP65)
- 1 - Solenoid valves with core coated by PTFE (polytetrafluorethylene).

## ► SPARE PARTS



## ► MOUNTING

Solenoid valve can be mounted in any position; vertical with coil upwards preferred.