

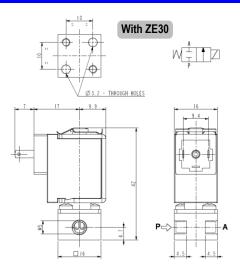
MICRO SOLENOID VALVE

2/2 - NC (Normally closed)

Direct acting

M5

V165



▶ GENERAL FEATURES

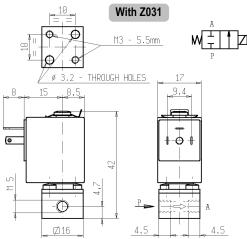
Direct acting micro solenoid valve; minimum overall dimensions. Quick response time and high number of cycles. Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

► TECHNICAL FEATURES

Maximum allowable pressure (PS) 16 bar

 $\begin{array}{lll} \textit{Opening time} & \textit{from} \sim 5 \text{ms to} \sim 10 \text{ms} \\ \textit{Closing time} & \textit{from} \sim 5 \text{ms to} \sim 10 \text{ms} \\ \textit{Fluid temperature} & 0^{\circ}\text{C} + 130^{\circ}\text{C} \text{ (FPM)} \\ 0^{\circ}\text{C} + 140^{\circ}\text{C} \text{ (FFPM)} \\ -10^{\circ}\text{C} + 90^{\circ}\text{C} \text{ (HNBR)} \\ \end{array}$

Max viscosity 3°E (~22 cStokes or mm²/s)



- -	410	410 0 0 0 410						
► COIL	ZE30	Z031						
Continuous duty	ED 1	00%						
Encapsulation material	PA (Polyamide) fibe	PA (Polyamide) fiberglass reinforced						
Coil insulation class	F (15	F (155°C)						
Ambient temperature	-10°C +	-10°C +60°C						
Electric connections	DIN 46340	DIN 46340 – 3 micro-poles connectors						
Protection degree	IP65 (EN 60529) with p	olug micro-connector						
Voltages	DC : 12-24V	AC : 24V/50Hz						

(Other voltages and frequencies on request.- AC: max 24V)

(+10% - 15%)

(+10% - 5%)

► MATERIALS IN CONTACT WITH FLUID

BodyBrass (see notes)SealingFPM or FFPM or HNBRInternal componentsStainless steel

Internal componentsStainless steelSeatBrassGuide assemblyStainless steelShading ring (only for V165V02)Copper

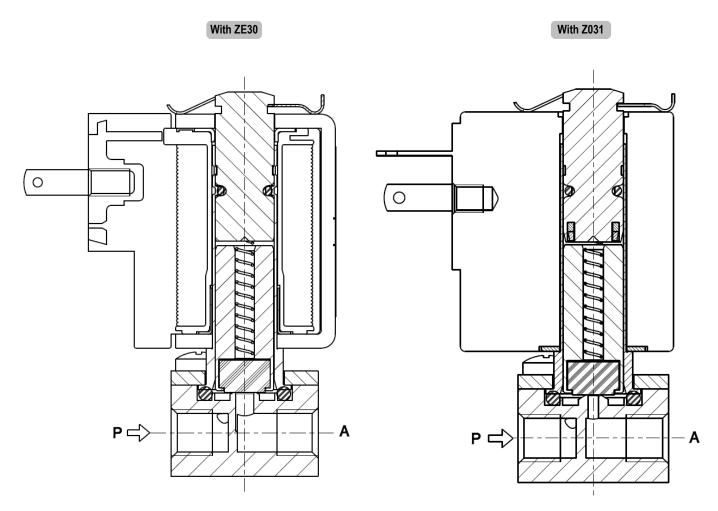
Port size Orifice ISO-UNI size (mm)		Differential pressure (bar))	Kv	Series and type		Power absorption			Caslinas	Notes	Weight												
		Δp min	Δp max																								
			Ga	ses	Liquids (m		(m ³ /h)	Makes	0-11	AC (VA)		DC	Sealings	Notes	(kg)												
	,		AC	DC	AC	DC		Valve Coil	Inrush	Holding	(W)																
M5	1,1		-	0,5	-	0,5	5	V165V03	ZE30L	-	-	0,5	FPM	-	0.000												
			14		14	14		V165V02	Z031C / ZE30C	4	3	3 2,5															
				10	10	10	0,04	V165V04	ZE30C ZE30A					1													
		0	-	- 14	_			V165V01		-	-			-													
						14		V165N01				4	HNBR	2													
	2		0	0	0	0	Ü	0	0	U	Ü	0	0	0	8	4	8	4			Z031A / ZE30A	6	5	7			0,060
													5		5			V165V02	Z031C / ZE30C	4	3		FPM				
				1,5		1,5	0,10	V165V01	ZE30C			2,5	FPIVI	-													
			- 4		-				ZE30A	-	-	4															
				4		4		V165Z08					FFPM	1													

Voltages

▶ 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 FFPM = Perfluorate elastomer HNBR = Hydrogenated nitrile-butylene elastomer
- 1 Solenoid valves with body and bonnet in chemically nickel plated brass (Ni-P).
- 2 Particularly suitable to shut off refrigerating fluids (version available on request)

► SPARE PARTS



► MOUNTING

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