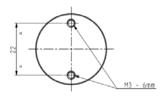
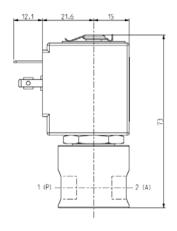
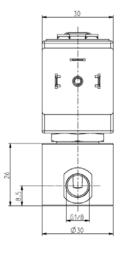
## SOLENOID VALVE - DRY 2/2 - NC (Normally closed) Direct acting - Total isolation G 1/8

# **D105**











#### **▶** GENERAL FEATURES

Total isolation micro solenoid valve: the actuator is totally isolated from the medium so that the wetted parts are just the body and the diaphragm. Possibility of disassembling for inspection.

The working pressure of the valve is function of differential pressure between inlet and outlet; see the drawing overleaf.

Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

#### ► TECHNICAL FEATURES

Maximum allowable pressure (PS)4 barOpening time~20msClosing time~20msFluid temperature-10°C +100°C

Max viscosity 5°E (~37 cStokes or mm²/s)

### ► MATERIALS IN CONTACT WITH FLUID

Body PVDF (Polyvinylfluoride)
Sealing EPDM or VMQ or FPM or FFPM

## ► COIL

Approval UL (class F) – for UL cl.H: ZA34

Continuous duty ED 100%

Encapsulation material PPS (Polyphenilsulfure) fiberglass reinforced

Coil insulation class F (155°C)
Ambient temperature -10°C +50°C

Electric connections DIN 46340 - 3 poles connector (EN175301-803)

Protection degree IP 67 (EN 60529) with plug connector

Voltages DC 12-24V (+10% -5%)

AC 24V/50Hz-110V/50Hz (120V/60Hz)-230V/50Hz

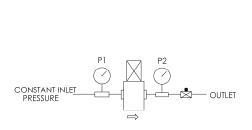
(+10% -15%).

(Other voltages and frequencies on request)

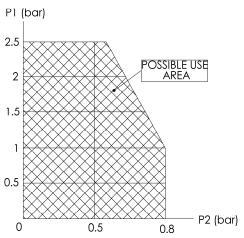
	Port size ISO 228	Orifice size (mm)	Differential pressure (bar)						Series and type		Power absorption					l	
			Δp min	Δp max				Kv	oches dilu type		Fower absorption			Sealings	Notes	Weight	1
				Gases		Liquids		(m³/h)	Valve	Coil	AC (VA)		DC	Sealings	Notes	(kg)	
				AC	DC	AC	DC		valve	COII	Inrush	Holding	(W)				
	G 1/8	4	0	2,5 2	2,5	2,5	2,5	0,32	D105D31	ZA10A	23	14	9	EPDM	-		
									D105S31					VMQ	1	0.000	0.000
									D105V31					FPM	-	0,200	
									D105Z31					FFPM	1		

#### ► NOTES

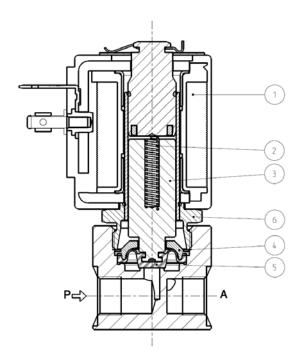
- IMQ CSV approval, see ZA10 datasheet for further details
- UL approved coil (E153691)
- 1 Model available on request only: ask for minimum quantity.



## FUNCTIONAL SCHEME



## ► SPARE PARTS



Kit description		Kit P.N.	Consisting of:		
Actuator kit	D105D31 D105S31 D105V31 D105Z31	G3146101 G3146102 G3146103 G3146104	Core return spring pos.2 Core pos.3 Core tube pos. 6 Spacing collar pos.4 Diaphragm pos.5 Coil clip		
Coil		ZA10A	Coil pos. 1		

## ► MOUNTING

- Solenoid valve can be mounted in any position.