



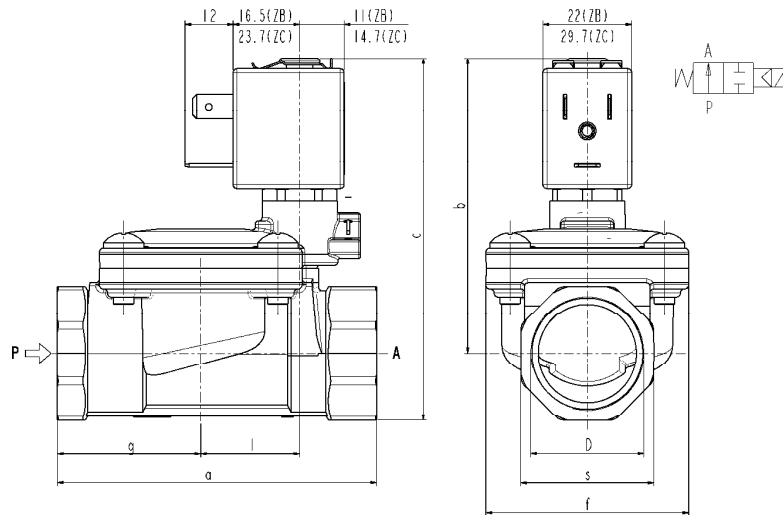
SOLENOID VALVE

2/2- NO (Normally open)

Pilot operated

G 3/8 ÷ G 1

L282



D	a	b	c	f	g	l	s
G 3/8	60	67	78	40	25,5	20	22
G 1/2	66	69	83	40	29	20	27
G 3/4	79	73,5	90	50	35,5	24,5	33
G 1	105	86	107	71	46	28	42

► GENERAL FEATURES

Diaphragm valve, pilot operated, having full orifice.
Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact).

► TECHNICAL FEATURES

Maximum allowable pressure (PS)	20bar
Opening time	from ~300ms to ~1500ms
Closing time	from ~1000ms to ~2000ms
Fluid temperature	-10°C +90°C (NBR) 0°C +130°C (FPM)
Max viscosity	5°E (~37 cStokes or mm ² /s)

► MATERIALS IN CONTACT WITH FLUID

Body	Brass
Sealing	NBR or FPM
Internal components	Brass and stainless steel
Seat	Brass
Core tube	Stainless steel
Shading coil	Copper

► COIL

Approval

Encapsulation material

Insulation class

Ambient temperature

Continuous duty

Electric connection

Protection degree

Voltages DC
AC

**ZB10K
ZC10A**

**ZB12K
ZC12A**

**ZB14K
ZC14A**

/	▲ UL and CSA	▲ UL and CSA
PA	PET	PET
fiberglass reinforced F (155°C)	fiberglass reinforced F (155°C)	fiberglass reinforced H (180°C)
-10°C +60°C	-10°C +60°C	-10°C +75°C
ED 100%		
DIN 46340- 3 poles plug connector (EN 175301-803 for ZC)		
IP 65 (EN 60529) with plug connector	IP 67 (EN 60529) with plug connector	IP 67 (EN 60529) with plug connector
ZC: 12-24V (+10% -5%)		
ZB: 24V/50-60Hz - 120V/60Hz - 230V/50-60Hz - 220-230/50Hz 208-240/60Hz (on request) - (+10% -15%)		
(Other voltages and frequencies on request)		

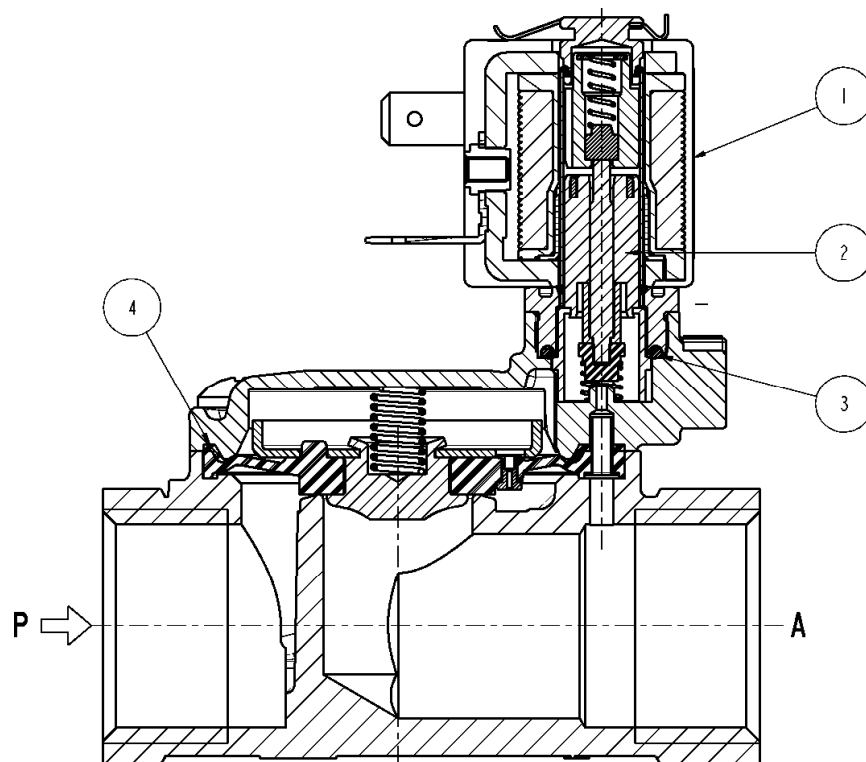
▲ : approval valid for ZB12K – ZB14K only

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)				Kv (m³/h)	Series and type		Power absorption				Sealings	Notes	Weight (kg)							
		Δp min	Δp max						AC (VA)			DC W										
			Gas		Liquids		Inrush VA	Holding														
			AC	DC	AC			DC	VA	VA	W											
3/8	13,5	0,35	12	-	12	-	2,5	L282B01	ZB10K ZB12K	11,7	10	7,6	-	NBR	-	0,32						
1/2							L282V01	FPM						0,38								
3/4	18						5	L282B01						NBR		0,52						
1	24						12	L282V01						FPM		1,08						
3/8	13,5		-	12	-	2,5	L282B01	ZC10A ZC12A						-		-	-	5,5	NBR	-	0,32	
1/2						L282V01	FPM												0,38			
3/4						18	5												L282B01		NBR	0,52
1						24	12												L282V01		FPM	1,08
		</																				

► NOTES

- Sealings: NBR=Nitrile-butylene elastomer FPM=Fluoro-carbon elastomer
- Operation with gaseous media, at high pressure without any outlet restriction, can reduce the diaphragm life.
- On request coil in class H (ZB14K – ZC14A - see § "COIL")
- On request **WRAS** certified solenoid valve with EPDM sealing (certificate n° 1411048).

► SPARE PARTS



Kit description		Kit P.N.	Consisting of:
Actuator kit		G3139801	Actuator kit pos.2 O-Ring guide assembly pos. 3
Diaphragm assembly	L282B	G3/8-1/2	Diaphragm assembly pos.4
		G3/4	
		G1	
	L282V	G3/8-1/2	
		G3/4	
		G1	
Coil		ZB	Coil pos.1
		ZC	

► INSTALLATION

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

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