



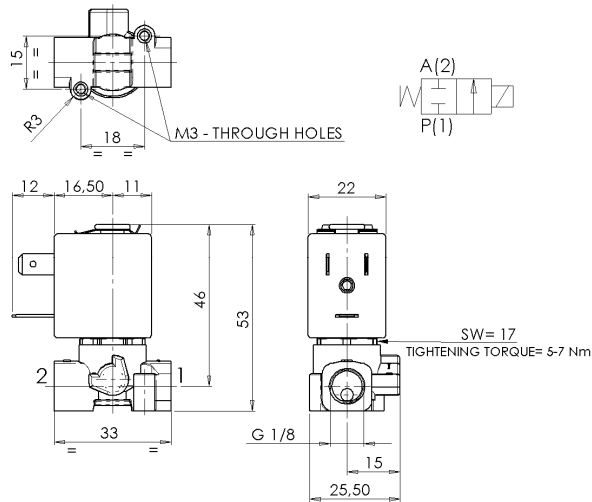
SOLENOID VALVE

2/2- NC (Normally closed)

Direct acting

G 1/8

L172



► GENERAL FEATURES

Direct acting solenoid valve.

Available also integrated on manifold (2÷10 actuators), see the technical data sheet L672.

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

► TECHNICAL FEATURES

Maximum allowable pressure (PS)	50bar
Opening time	~10ms
Closing time	~10ms
Fluid temperature	0°C +130°C
Max viscosity	5°E (~37 cStokes or mm ² /s)

► MATERIALS IN CONTACT WITH FLUID

Body	Brass
Sealing	FPM
Internal components	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

ZB10A	ZB12A	ZB14A
/	UL and CSA	UL and CSA
PA fiberglass reinforced	PET fiberglass reinforced	PET fiberglass reinforced
F (155°C) -10°C +60°C	F (155°C) -10°C +60°C	H (180°C) -10°C +75°C
ED 100%		
DIN 46340 - 3 poles plug connector		
IP 65 (EN 60529) with plug connector	IP 67 (EN 60529) with plug connector	IP 67 (EN 60529) with plug connector
12-24V (+10% -5%)		
24V/50-60Hz - 115V/50Hz - 230V/50-60Hz (+10% -15%)		
(Other voltages and frequencies on request).		

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						
			Gases		Liquids		Inrush		Holding								
			AC	DC	AC	DC			VA	VA		W	W				
G1/8	1,2	0	28	20	28	20	0,05	L172V03	ZB10A ZB12A	12	6	4	5,5	FPM	1	0,160	
	1,6		20	12	20	12	0,08										
	2		15	6	15	6	0,11										
	2,4		12	4	12	4	0,13										

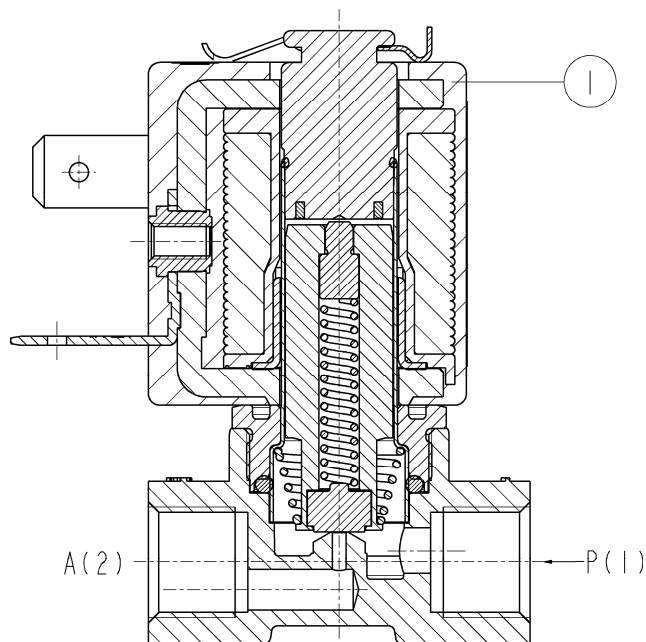
► NOTES

- Sealings: FPM = Fluoro-carbon elastomer
- On request: - version with manual override: L172V01
 - sealings in EPDM (Ethylene-propylene elastomer): L172D03
 - body valve in stainless steel AISI 316: L172V07
 - body valve with special surface treatments
 - coil in class H (ZB14A – see § "COIL")
 - grease/oil free versions

1 – ZB12 and ZB14 coils fitted with sealing gaskets underneath and on the upper part (see sectional view on the back)

► SPARE PARTS

WITH ZB10A COIL



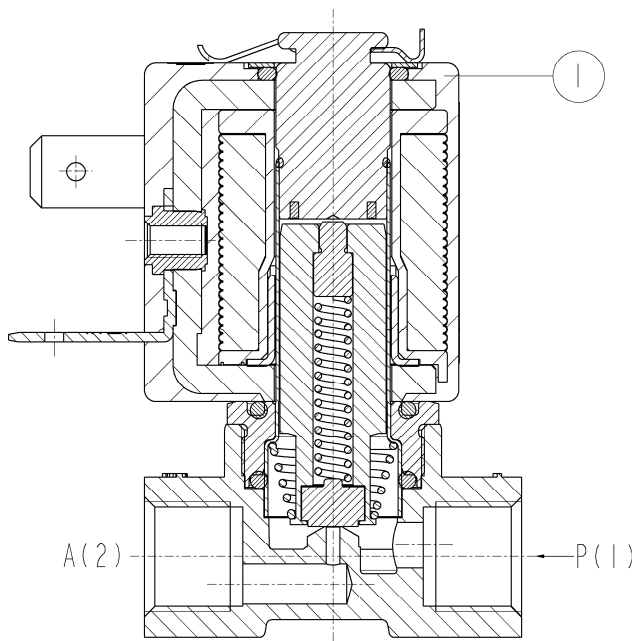
Kit description

Coil

Kit P.N.

ZB10A
ZB12A
ZB14A

WITH ZB12A – ZB14A



Consisting of:

Coil pos.1

► 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