



SOLENOID VALVE

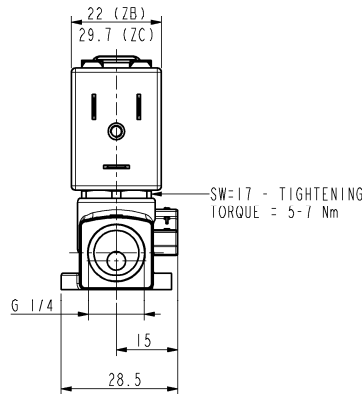
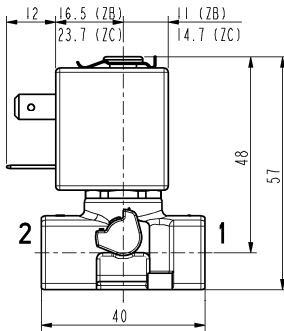
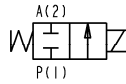
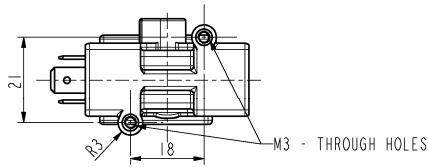
2/2- NC (Normally closed)

Direct acting

G 1/4

L176

STAINLESS STEEL



► GENERAL FEATURES

Direct acting solenoid valve.

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	-10°C +130°C
Max viscosity	5°E (~37 cStokes or mm²/s)

► MATERIALS IN CONTACT WITH FLUID

Body	Stainless steel AISI 316L
Sealing	FPM
Internal components	Stainless steel
Seat	Stainless steel AISI 316L
Core tube	Stainless steel
Shading coil	Copper

► COIL

According to standards

Encapsulation material

Insulation class

Ambient temperature

Continuous duty

Electric connection

Protection degree

Voltages DC
AC

ZB12A
ZC12A

ZB14A
ZC14A

▲ UL and CSA

PET
fiberglass reinforced

F (155°C)	H (180°C)
-10°C +60°C	-10°C +75°C

ED 100%

DIN 46340-3 poles plug connector (EN175301-803 for ZC)

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).

▲ : approval valid for ZB12A – ZB14A 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						
			Gases		Liquids		Inrush		Holding								
			AC	DC	AC	DC	VA		VA	W		W					
G1/4	1,6	0	20	12	20	12	0,08	L176V07	ZB12A	12	6	4	5,5	FPM	1 - 2	0,160	
	2,4		12	4	12	4	0,16										
	1,6		20	15	20	15	0,08		ZC12A	10	6	3,5	5,5			0,210	
	2,4		15	8	15	8	0,16										

► NOTES

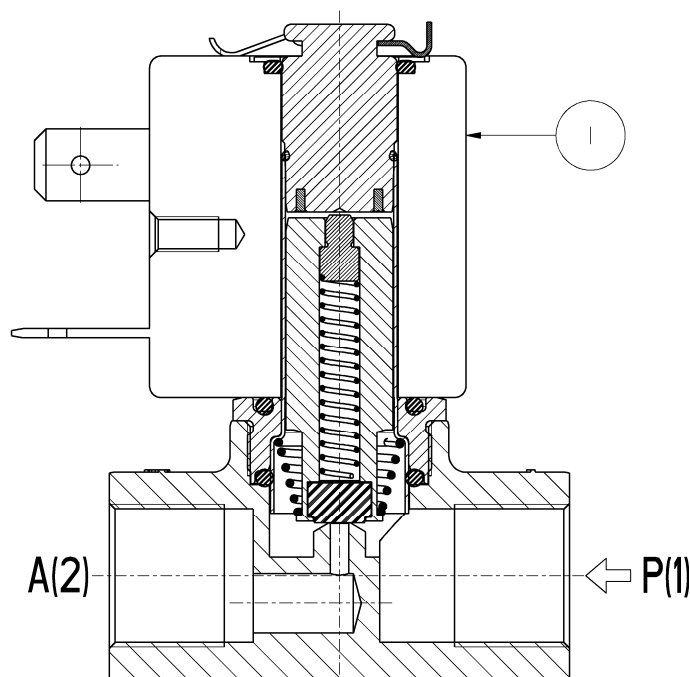
- Sealings: FPM = Fluoro-carbon elastomer

- On request: - coil in class H (ZB14A – ZC14A see § "COIL")

1 - On request version with manual override: L176V05

2 - ZB12A - ZB14A – ZC12A and ZC14A coils fitted with sealing gaskets underneath and on the upper part (see sectional view on the back)

► SPARE PARTS



Kit description

Coil

Kit P.N.

ZB12A
ZB14A
ZC12A
ZC14A

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