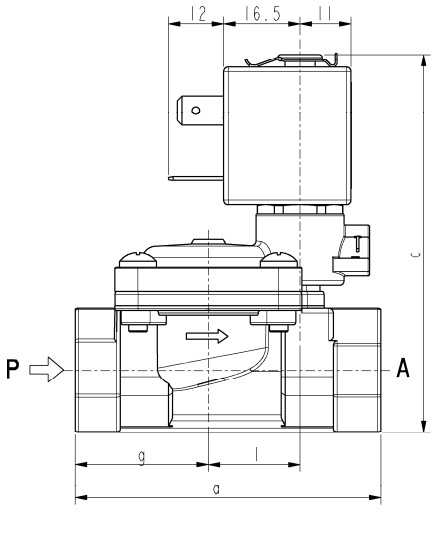
SOLENOID VALVE
2/2- NC (Normally closed)
Pilot operated
G3/8 - G1

L182
STAINLESS STEEL



D	a	b	c	f	g	l	s
G 3/8	60	66	77	40	25,5	20	22
G 1/2	66	68	82	40	29	20	27
G 3/4	79	72,5	89	50	35,5	24,5	33
G 1	105	85	106	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) -10°C +140°C (EPDM)
Max viscosity	5°E (~37 cStokes or mm^2/s)

► MATERIALS IN CONTACT WITH FLUID

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

► COIL

		ZB12A	ZB14A
Approval		UL and CSA	
Encapsulation material		PET fiberglass reinforced	
Insulation class		F (155°C)	H (180°C)
Ambient temperature		-10°C +60°C	-10°C +75°C
Continuous duty		ED 100%	
Electric connection		DIN 46340 - 3 poles plug connector	
Protection degree		IP 67 (EN 60529) with plug connector	
Voltages	*DC*	12-24V (+10% -5%)	
	AC	24V/50-60Hz - 115V/50Hz - 230V/50-60Hz (+10% -15%)	
		(Other voltages and frequencies on request)	

On request

		ZB12Y	ZB14Y
Approval		UL	
Voltages	*AC*	220-230V/50Hz 208-240V/60Hz (+10% -15%)	

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)					Kv (m^3/h)	Series and type			Power absorption				Sealings	Notes	Weight (kg)
		Δp min	Δp max								AC (VA)			DC			
			Gases		Liquids			Valve	Valve with manual override	Coil	Inrush	Holding					
			AC	DC	AC	DC					VA	VA	W	W			
3/8	13,5	0,35	16 (12)	16 (12)	16 (12)	16 (12)	2,5	L182(*)09	L182(*)10	ZB12A	12	6	4	5,5	(*) = B (NBR) (*) = V (FPM) (*) = D (EPDM)	1	0,30
1/2	13,5						3,8										0,35
3/4	18		12 (10)	12 (10)	12 (10)	12 (10)	5									2	0,50
1	24						12										1,09

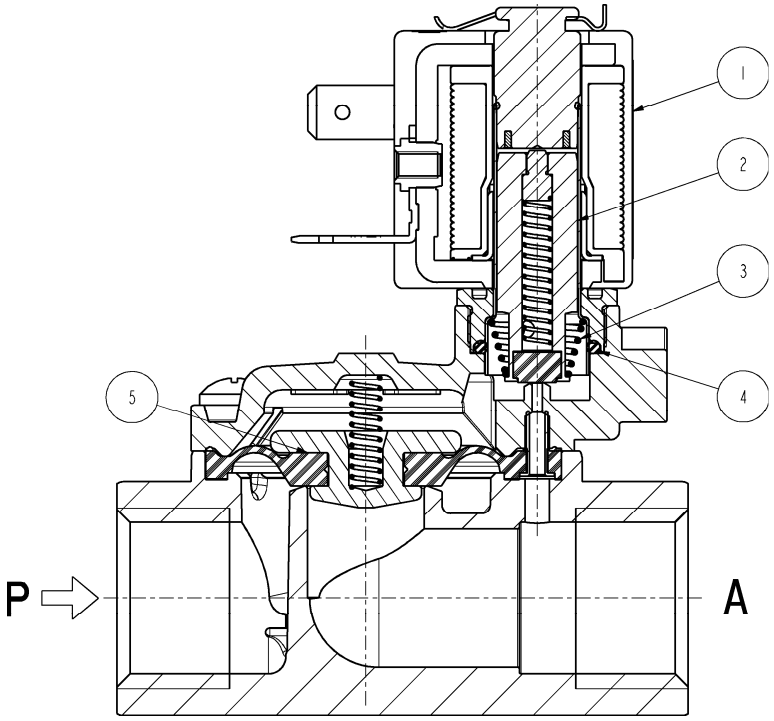
► NOTES
- Sealings: B(NBR) = Nitrile-butylene elastomer V(FPM) = Fluoro-carbon elastomer D(EPDM)=Ethylene-propylene elastomer (WRAS/KTW certified compound)
- Operation with gaseous media, at high pressure without any outlet restriction, can reduce the diaphragm life.
- On request coil in class H (ZB14A – see § "COIL")
- The bracketed values of Δp max are related to valves with FPM seals.

1 - Low power consumption coil on request ZB12C or ZB14C (3,5 VA in AC – 3W in DC): Δp max = 12 bar
2 - Low power consumption coil on request ZB12C or ZB14C (3,5 VA in AC – 3W in DC): Δp max = 8 bar

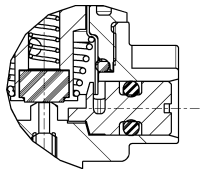
1009

► SPARE PARTS

L182B-V-D-09



L182B-V-D-10



Kit description			Kit P.N.	Consisting of:
Core kit	L182B-V L182D		G3138201 G3138202	Core kit pos.2 Core return spring pos. 3 O-Ring guide assembly pos. 4
Diaphragm assembly	L182B	3/8-1/2 3/4 1	298593-003R 298594-003R 298592-003R	Diaphragm assembly pos.5
	L182V	3/8-1/2 3/4 1	298593-001R 298594-001R 298592-001R	
	L182D	3/8-1/2 3/4 1	298593-002R 298594-002R 298592-002R	
Coil			ZB12 ZB14	Coil pos.1

►INSTALLATION

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