



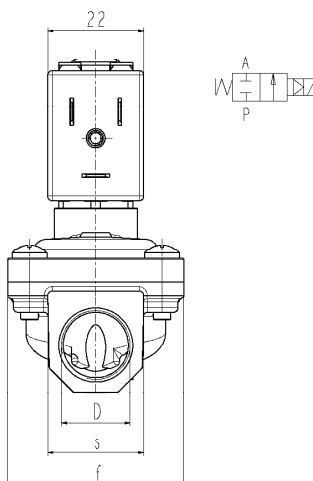
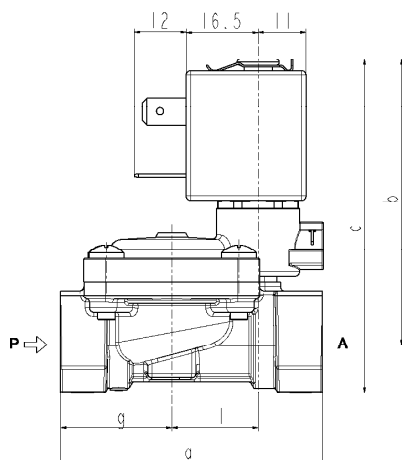
SOLENOID VALVE

2/2- NC (Normally closed)

Pilot operated

G 3/8 ÷ G 1

L182



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

Response times

Opening time (ms)

Closing time (ms)

Fluid temperature

Max viscosity

3/8	1/2	3/4	1
70	70	70	90
670	600	500	420

-10°C +90°C (NBR)
0°C +130°C (FPM)
-10°C +140°C (EPDM)
5°E (~37 cStokes or mm²/s)

► COIL

Approval

Encapsulation material

Insulation class

Ambient temperature

Continuous duty

Electric connection

Protection degree

Voltages DC
AC

ZB10A

/

PA

fiberglass

reinforced

F (155°C)

-10°C +60°C

ZB12A *

UL and CSA

PET

fiberglass

reinforced

F (155°C)

-10°C +60°C

ZB14A *

UL and CSA

PET

fiberglass

reinforced

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).

► MATERIALS IN CONTACT WITH FLUID

Body

Brass

Sealing

NBR or FPM or EPDM

Internal components

Brass and stainless steel

Seat

Brass

Core tube

Stainless steel

Shading coil

Copper

* On request

Approval

Voltages AC

/

ZB12Y

ZB14Y

/

UL

UL

/

220-230V/50Hz 208-240V/60Hz
(+10% -15%)

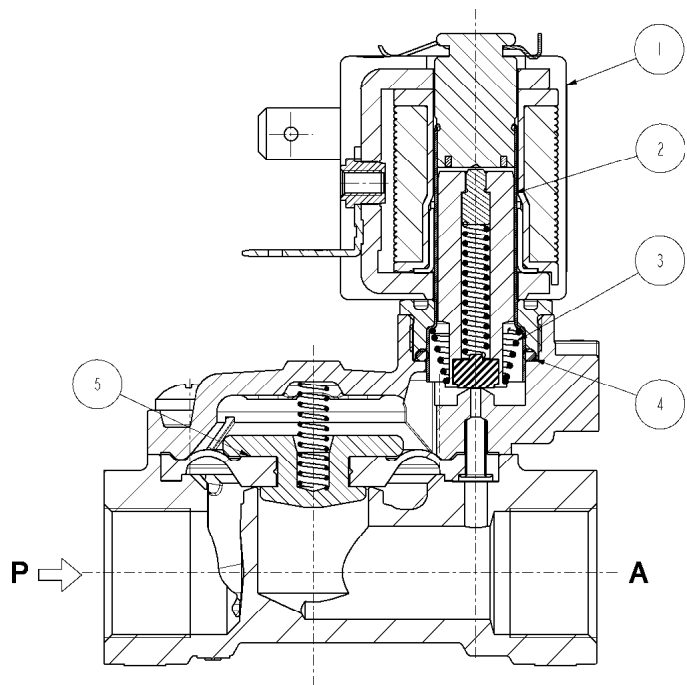
Port size ISO 228	Orifice size (mm)	Differential pressure (bar)				Kv (m³/h)	Series and type			Power absorption				Sealings	Notes	Weight (kg)	
		Δp min	Δp max							AC (VA)			DC				
			Gases		Liquids		Inrush	Holding									
			AC	DC	AC			DC	VA	VA	W	W					
3/8	13,5	0,35	16 (12)	16 (12)	16 (12)	16 (12)	2,5	L182(*)01	L182(*)02	ZB10A ZB12A	12	6	4	5,5	(*) = B (NBR)	1-3	0,32
1/2			3,8	0,38													
3/4	18		12 (10)	12 (10)	12 (10)	12 (10)	5								(*) = V (FPM)	2-3	0,52
1	24		12	0,08													

► NOTES

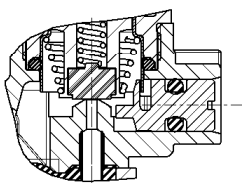
- Sealings: B(NBR)=Nitrile-butylene elastomer V(FPM)=Fluoro-carbon elastomer D(EPDM)=Ethylene-propylene elastomer (WRAS/KTW certified compound)
- Operation with gaseous media, at high pressure without any outlet restriction, can reduce the diaphragm life.
- On request coil in class H (ZB14A – see § "COIL")
- The bracketed values of Δp max are related to valves with V(FPM) seals.
- 1 - Low power consumption coil on request (3,5 VA in AC – 3W in DC): Δp max = 12 bar
- 2 - Low power consumption coil on request (3,5 VA in AC – 3W in DC): Δp max = 8 bar
- 3 - L182D01 – L182D02: WRAS certified solenoid valves (certificate n. 1411048).

► SPARE PARTS

L182 B-V-D01



L182 B-V-D02



Kit description

Kit P.N.

Consisting of:

Core kit	L182B-V			G3138201	Core kit pos.2 Core return spring pos. 3 O-Ring guide assembly pos. 4
	L182D			G3138202	
Diaphragm assembly	L182B	3/8-1/2		2844302R	Diaphragm assembly pos.5
	L182V	3/8-1/2		2844303R	
	L182D	3/8-1/2		2844306R	
	L182B	3/4	1	2299701R	
				2380101R	
	L182V	3/4	1	2299702R	
				2380102R	
	L182D	3/4	1	2299708R	
				2380106R	
Coil				ZB10	Coil pos.1
				ZB12	
				ZB14	

► INSTALLATION

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