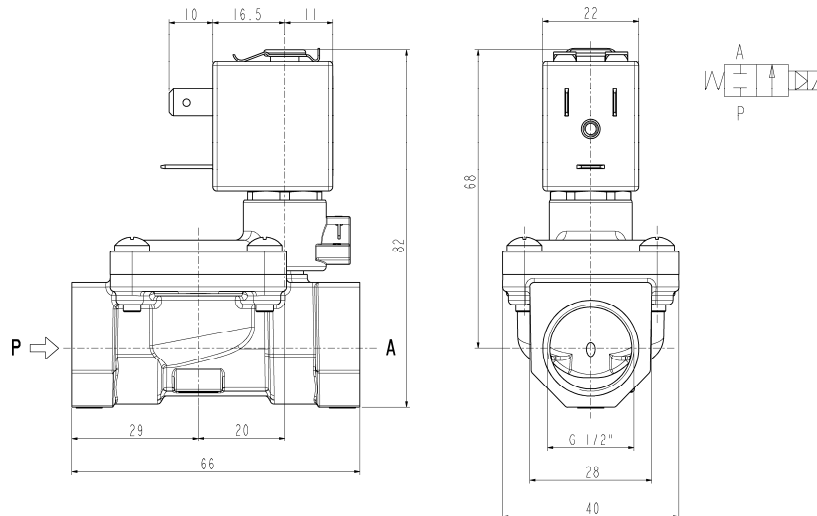




**SOLENOID VALVE**  
**2/2- NC (Normally closed)**  
**Pilot operated**  
**G 1/2**

**L182B13**

**ANTI WATER-HAMMER**



► **GENERAL FEATURES**

Diaphragm valve, pilot operated.  
 Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact).  
 Designed in compliance with anti-water hammer standards of EN 60730-2-8.

► **TECHNICAL FEATURES**

*Maximum allowable pressure (PS)* 20bar  
*Opening time* ~300ms  
*Closing time* ~1000ms  
*Fluid temperature* -10°C +90°C  
*Max viscosity* 5°E (~37 cStokes or mm<sup>2</sup>/s)

► **MATERIALS IN CONTACT WITH FLUID**

*Body* Brass  
*Sealing* NBR  
*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

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

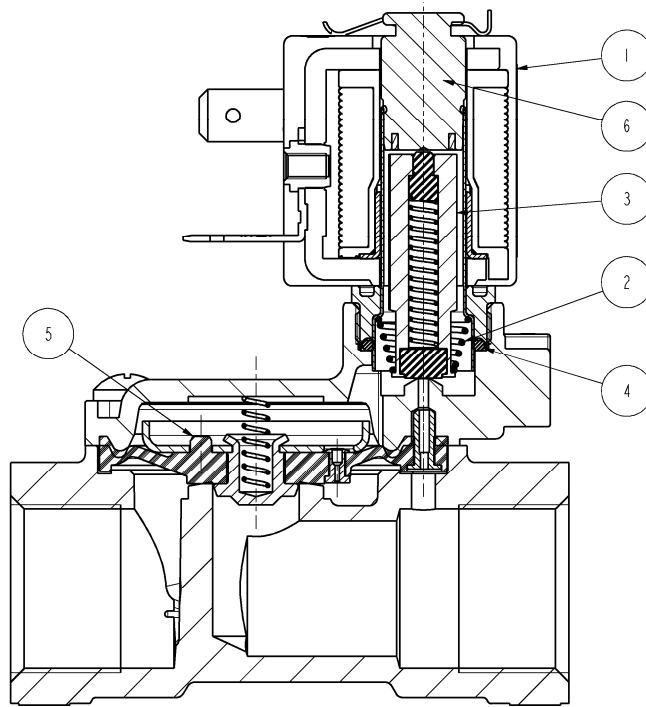
| Port size<br>ISO 228 | Orifice<br>size<br>(mm) | Differential pressure (bar) |        |    |         | Kv<br>(m <sup>3</sup> /h) | Series and type |         | Power absorption |    |         |    | Sealings | Notes | Weight<br>(kg) |       |
|----------------------|-------------------------|-----------------------------|--------|----|---------|---------------------------|-----------------|---------|------------------|----|---------|----|----------|-------|----------------|-------|
|                      |                         | Δp<br>min                   | Δp max |    |         |                           | Valve           | Coil    | AC (VA)          |    |         | DC |          |       |                |       |
|                      |                         |                             | Gases  |    | Liquids |                           |                 |         | Inrush           |    | Holding |    |          |       |                |       |
|                      |                         |                             | AC     | DC | AC      |                           |                 |         | DC               | VA |         |    |          |       |                | VA    |
| G 1/2                | 10,2                    | 0,35                        | 12     | 12 | 12      | 12                        | 1,8             | L182B13 | ZB10A<br>ZB12A   | 12 | 6       | 4  | 5,5      | NBR   | -              | 0,370 |

► **NOTES**

- Sealings: NBR=Nitrile-butylene elastomer
- 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")

# L182B13

## ► SPARE PARTS



| Kit description    | Kit P.N.             | Consisting of:  |
|--------------------|----------------------|---|
| Core kit           | G3138201             | Core kit pos.2<br>Core return spring pos. 3<br>O-Ring guide assembly pos. 4 |
| Diaphragm assembly | 2782701R             | Diaphragm assembly pos.5  |
| Coil               | ZB10<br>ZB12<br>ZB14 | 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