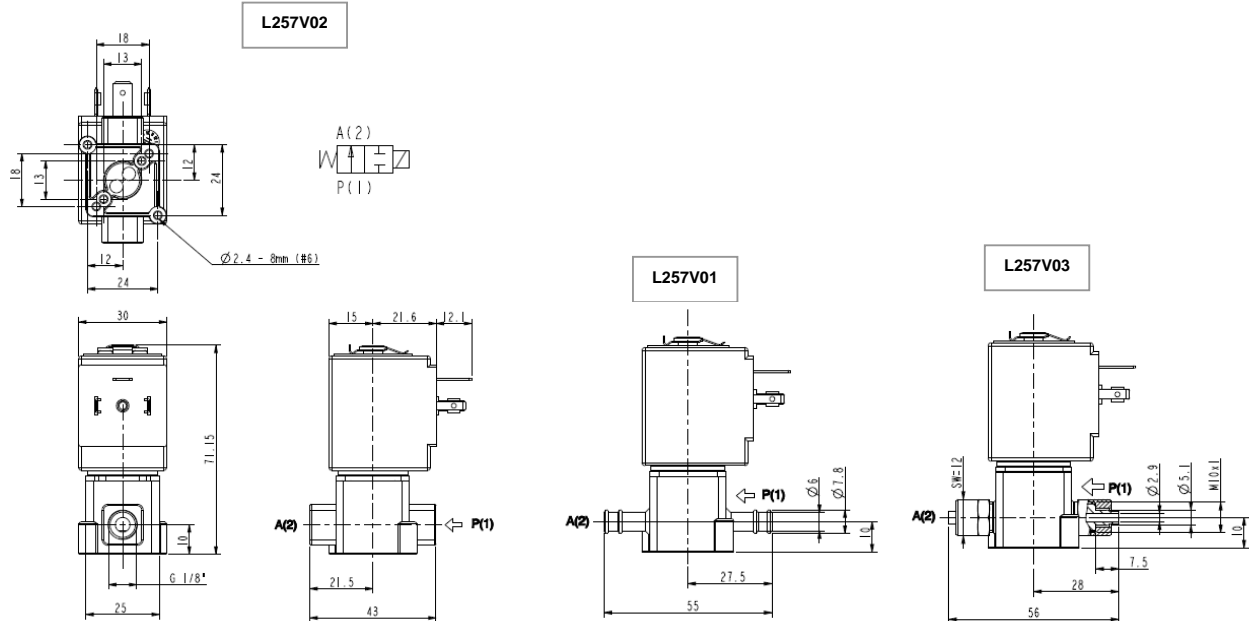




**SOLENOID VALVE**  
**2/2 - NO (Normally open)**  
 Direct acting  
**G1/8 - Barbed ports**

**L257**



► **GENERAL FEATURES**

Direct acting solenoid valve, suitable for vacuum at port "P" (PA - PP = max 1 bar).  
 Suitable to shut off liquid and gaseous fluids; suitable for low pressure steam and applications in sterilising autoclaves (verify the compatibility of fluid with materials in contact).

► **TECHNICAL FEATURES**

Maximum allowable pressure (PS) 10 bar  
 Opening time ~20ms  
 Closing time ~20ms  
 Fluid temperature 0°C +130°C  
 Max viscosity 5°E (~37 cStokes or mm<sup>2</sup>/s)

► **MATERIALS IN CONTACT WITH FLUID**

Body PPS  
 Sealing FPM  
 Internal components Stainless steel and PPS  
 Seat PPS  
 Core tube Stainless steel  
 Shading coil Copper

► **COIL**

Approval UL (class F) – for UL cl.H: ZA34  
 Continuous duty ED 100%  
 Encapsulation material PPS (Polyphenylsulfure) fiberglass reinforced  
 Insulation class F (155°C) on request class H (180°C)  
 Ambient temperature -10°C +50°C  
 Electric connections DIN 46340 - 3 poles connectors (EN175301-803)  
 Protection degree IP 67 (EN 60529) with plug connector  
 Voltages DC 12-24V (+10% -5%)  
 AC 24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%)  
 (Other voltages and frequencies on request)

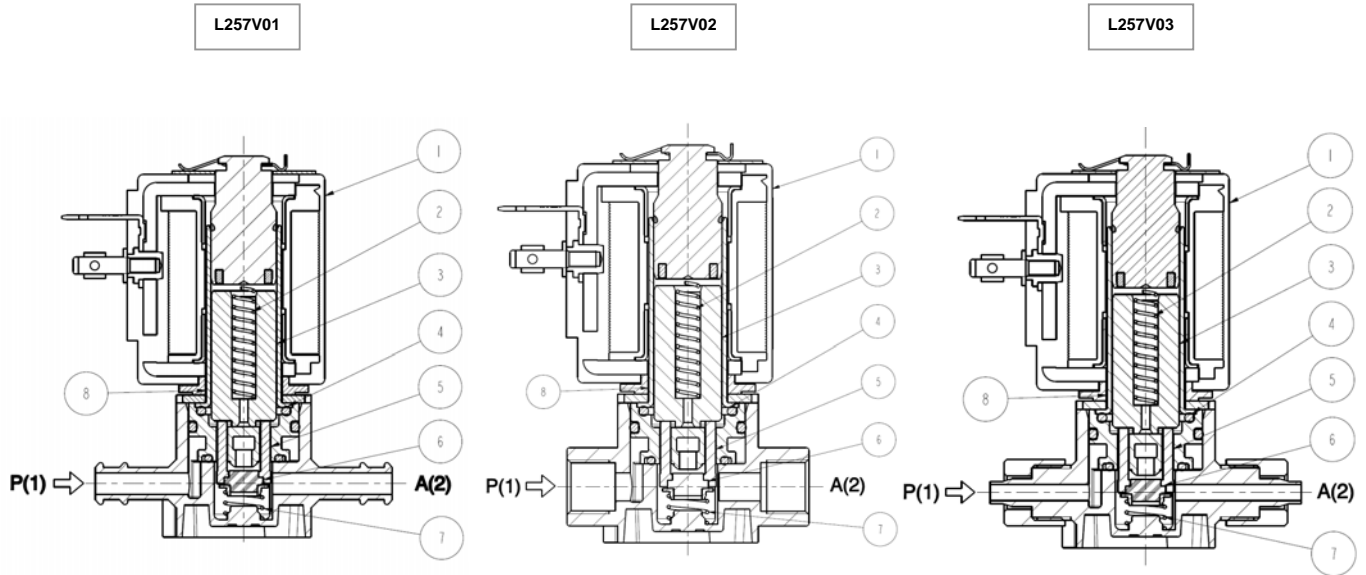
| Port size<br>G=ISO228      | Orifice size<br>(mm) | Differential pressure (bar) |        |         |       | Kv<br>(m <sup>3</sup> /h) | Series and type |         | Power absorption |           |   | Sealings | Notes     | Weight<br>(kg) |
|----------------------------|----------------------|-----------------------------|--------|---------|-------|---------------------------|-----------------|---------|------------------|-----------|---|----------|-----------|----------------|
|                            |                      | Δp min                      | Δp max |         | Valve |                           | Coil            | AC (VA) |                  | DC<br>(W) |   |          |           |                |
|                            |                      |                             | Gases  | Liquids |       |                           |                 | Inrush  | Holding          |           |   |          |           |                |
|                            |                      |                             | AC     | DC      | AC    | DC                        |                 |         |                  |           |   |          |           |                |
| Barbed ports               | 3                    | 0                           | 3      | 3       | 3     | 3                         | L257V01         | ZA10A   | 23               | 14        | 9 | FPM      | 1 - 2     | 0,210          |
| G1/8                       |                      |                             |        |         |       |                           | L257V02         |         |                  |           |   |          | 1 - 2 - 3 |                |
| Barbed ports with ring nut |                      |                             |        |         |       |                           | L257V03         |         |                  |           |   |          | 1 - 2 - 4 |                |

► **NOTES**

- Sealings : FPM = Fluoro-carbon elastomer
- IMQ CSV approval, see ZA10 datasheet for further details
- UL approved coil (E153691)
- 1 - The pressure values shown in the table refer to the potential of the valve: they can be lower depending on the connection system used
- 2 - Only for use with steam, consider following values: PSmax 2,8 bar (max fluid temperature 130°C)
- 3 - Maximum driving torque of the pipe fittings for thread connections = 2Nm
- 4 - Maximum driving torque of ring nut 1,2Nm

# L257

## ► SPARE PARTS



### Kit description

Core kit

### Kit P.N.

G3138301

### Consisting of:

Core return spring pos. 2  
Core pos. 3  
O-Ring guide assembly pos.4  
Pusher pos. 5  
Sealing disc return spring pos. 7  
Sealing disc pos. 6

Core return spring kit

G290513-001

N°.10 Core return spring pos. 2

O-Ring guide assembly kit

GU2428000015

N°. 10 OR guide assembly pos.4

Guide assembly kit

G31488

Guide assembly pos.8  
Coil clip

Coil

ZA10A

Coil pos.1

## ► INSTALLATION

- Solenoid valve can be mounted in any position; vertical with coil upwards preferred.
- When using any sealant for fittings, please check its chemical compatibility with body material (PPS).
- In case of disassembling for usual maintenance, the fixing screws of the guide assembly have to be tightened with  $0,6 \pm 0,7$  Nm torque.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST.