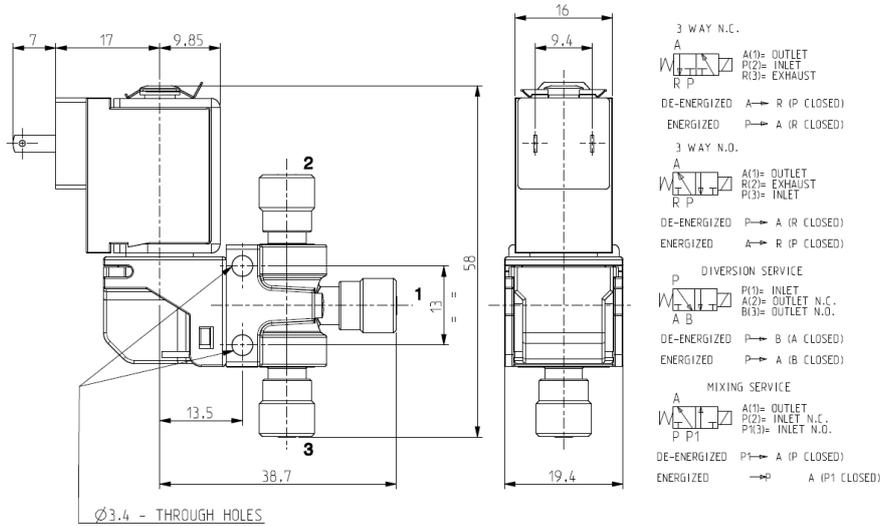




**MICRO SOLENOID VALVE - DRY**  
**3/2 - UF (Universal function)**  
 Direct acting - Total isolation  
**Slip-on**

**D301**



**► GENERAL FEATURES**

Total isolation micro solenoid valve: the actuator is totally isolated from the medium so that the wetted parts are just the body and the diaphragm. Minimum overall dimension. Possibility of disassembling for inspection. Reduced internal volumes: ~0,15 ml (0,15 c.c.). Core duly coated by PTFE (polytetrafluoroethylene) based self lubricating material. Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

**► TECHNICAL FEATURES**

Maximum allowable pressure (PS) 4 bar  
 Opening time ~10ms  
 Closing time ~10m  
 Fluid temperature -10°C +90°C  
 Max viscosity 5°E (~37 cStokes or mm<sup>2</sup>/s)

**► MATERIALS IN CONTACT WITH FLUID**

Body PSU (Polysulphone)  
 Sealing VMQ or FPM

**► COIL**

Continuous duty ED 100%  
 Encapsulation material PET (polyethylene terephthalate) fiberglass reinforced  
 Insulation class F (155°C)  
 Ambient temperature -10°C +60°C  
 Electric connections DIN 46340  
 Protection degree IP 40 (EN 60529) with female wire terminals  
 2,8 x 0,5 totally insulated  
 12-24V (+10% -5%)  
 (Other voltages on request).

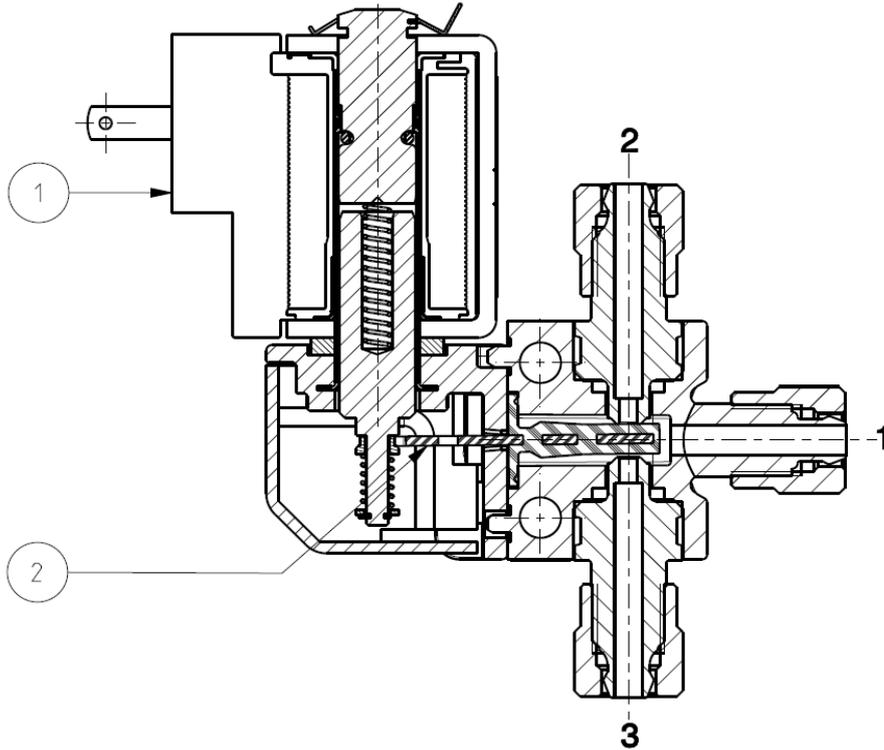
| Port size   | Orifice size (mm) | Differential pressure (bar) |        |    |         |    |       | Kv (m <sup>3</sup> /h) | Series and type |         | Power absorption |        |     | Sealings | Notes | Weight (kg) |
|-------------|-------------------|-----------------------------|--------|----|---------|----|-------|------------------------|-----------------|---------|------------------|--------|-----|----------|-------|-------------|
|             |                   | Δp min                      | Δp max |    |         |    | Valve |                        | Coil            | AC (VA) |                  | DC (W) |     |          |       |             |
|             |                   |                             | Gases  |    | Liquids |    |       |                        |                 | Inrush  | Holding          |        |     |          |       |             |
|             |                   |                             | AC     | DC | AC      | DC |       |                        |                 |         |                  |        |     |          |       |             |
| Slip-on (*) | 1,5               | 0                           | -      | 3  | -       | 3  | 0,06  | D301S54                | ZE30A           | -       | -                | 4      | VMQ | 1        | 0,055 |             |
|             |                   |                             |        |    |         |    |       | D301V54                |                 |         |                  |        |     |          |       | FPM         |

**► NOTES**

- Sealings : VMQ = Silicone elastomer FPM = Fluoro-carbon elastomer  
 - Available with Z031A coil on request (Electric connections: DIN 46340 - micro-connector; Protection degree: IP65)  
 1 - These valves can become 2/2 NC or 2/2 NO by mounting the screwed cap on the port as shown overleaf. The performances remain unchanged.  
 (\*) Suitable for tube 3mm ID and 4,3mm OD.

# D301

## ► SPARE PARTS



### Kit description

### Kit P.N.

### Consisting of.

Lever seal kit

D301S54  
D301V54

2696903R  
2696902R

Lever seal pos. 2

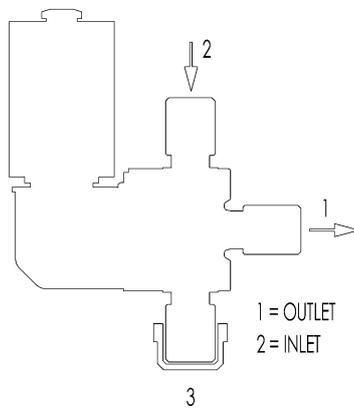
Coil

ZE30A

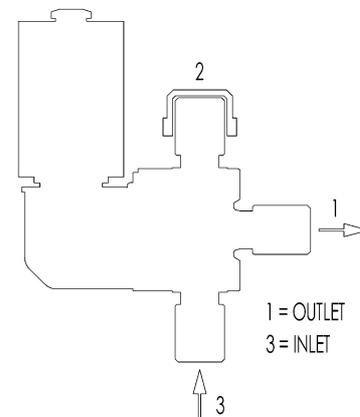
Coil pos. 1

## ASSEMBLING SCHEME - SEE NOTE 1

2/2 SOLENOID VALVE NC



2/2 SOLENOID VALVE NO



## ► MOUNTING

- Solenoid valve can be mounted in any position.

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