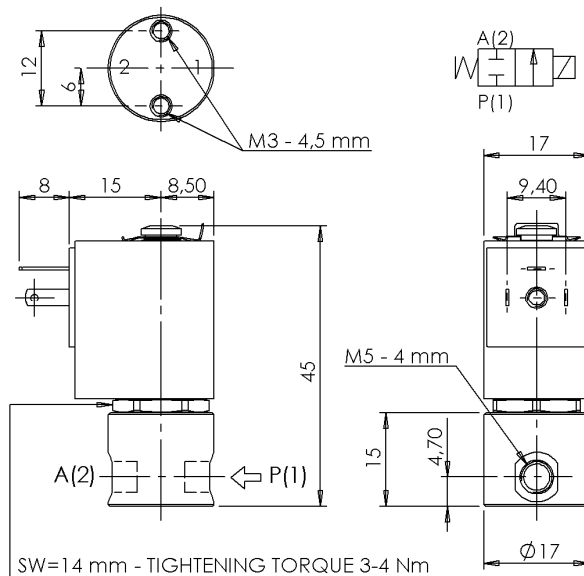




MICRO SOLENOID VALVE - DRY
2/2 - NC (Normally closed)
Direct acting - Total isolation
M5

D103



► **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.
 Reduced internal volumes: ~0,07 ml (0,07 c.c.).
 Possibility of disassembling for inspection.
 Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

► **TECHNICAL FEATURES**

Maximum allowable pressure (PS) 7 bar
Opening time ~10ms
Closing time ~10ms
Fluid temperature -10°C +100°C
Max viscosity 5°E (~37 cStokes or mm²/s)

► **MATERIALS IN CONTACT WITH FLUID**

Body Stainless steel AISI 316
Sealing EPDM or VMQ or FPM

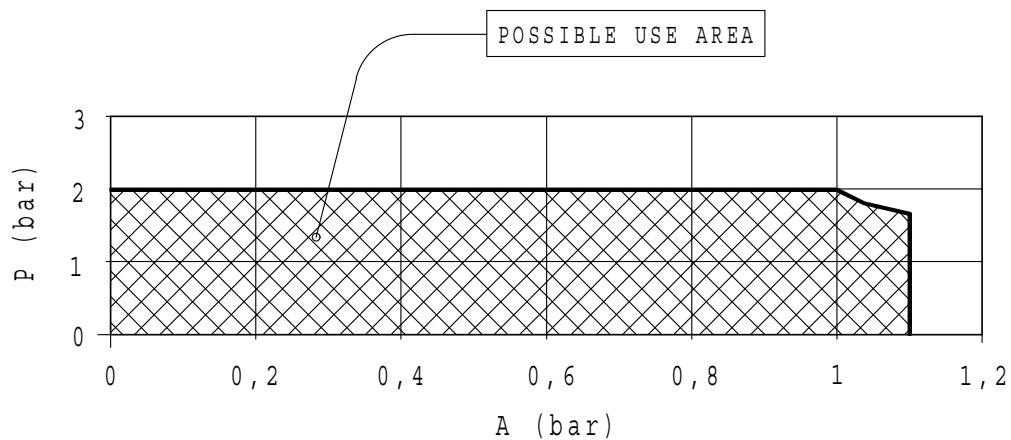
► **COIL**

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 - 3 poles micro-connector
Protection degree IP 65 (EN 60529) with micro-connector
Voltages DC 12-24V (+10% -5%)
 (Other voltages on request).

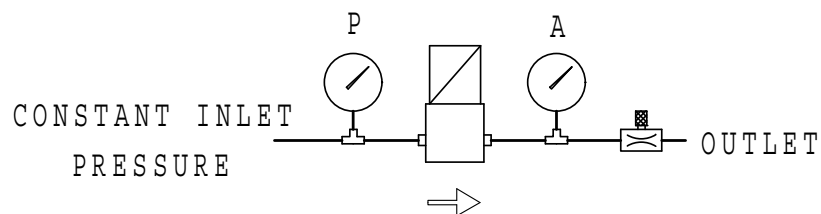
| Port size ISO-UNI 4534 | Orifice size (mm) | Differential pressure (bar) | | | | | Kv (m³/h) | Series and type | | Power absorption | | | Sealings | Notes | Weight (kg) |
|------------------------------|-------------------------|-----------------------------|----------|----|---------|----|--------------|-----------------|-------|------------------|---------|-----------|----------|-------|----------------|
| | | Δp min | Δp max ▲ | | | | | | | | | | | | |
| | | | Gases | | Liquids | | | Valve | Coil | AC (VA) | | DC (W) | | | |
| | | | AC | DC | AC | DC | | | | Inrush | Holding | | | | |
| M5 | 1,6 | 0 | - | 2 | - | 2 | 0,04 | D103D05 | Z031C | - | - | 2,5 | EPDM | - | 0,060 |
| | | | | | | | | D103S05 | | | | | VMQ | | |
| | | | | | | | | D103V05 | | | | | FPM | | |

► **NOTES**

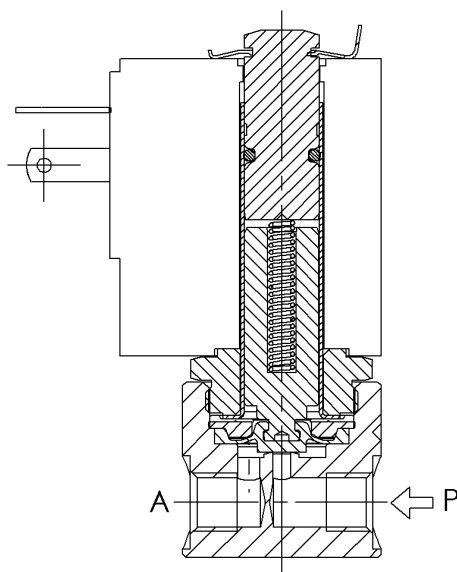
- Sealings : EPDM = Ethylene-propylene elastomer VMQ = Silicone elastomer FPM = Fluoro-carbon elastomer
 ▲ : see the drawing overleaf.



FUNCTIONAL SCHEME



► SECTIONAL VIEW



► MOUNTING

- Solenoid valve can be mounted in any position.