# Proportional solenoid valve 2/2 way N.C. - Direct acting

**21A2KC*V*55-01**

## :PRESENTATION:

Solenoid valve designed for a fluid output proportional to voltage change.
Minimum operational pressure is not required.
Mounting in any position.
Material used and tests carried out ensure reliability and long life time.




## TECHNICAL FEATURES:

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Proportional response features:

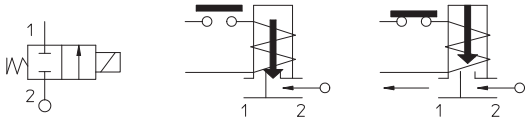
| | |
|---|---|
| Hysteresis | < 5% |
| Repeatability | < 3% |
| Sensitivity | < 2% |

Tensions range: 0-24 VDC
24 VDC impulse range modulation (600 ÷ 800 Hz),
(see general information:proportional S.V. operation).
These solenoid valves are not suitable for stagnating fluids, or for fluids that being subject to evaporation may deposit solid, calcareous or similar residues.

**PIPES:** G 1/4

**COILS:** 12W - Ø 13
UDA 155°C (class F)

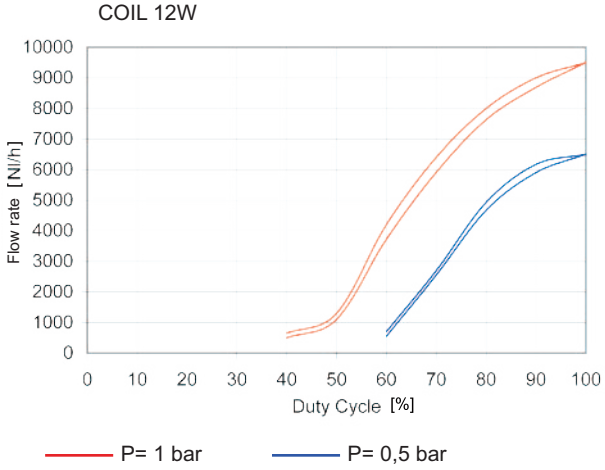
**COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.**




| Gaskets | Temperature | | Medium |
|---|---|---|---|
| **V**=FKM (fluoroelastomer) | - 10°C | +140°C | Water, inert gas, mineral oils (3°E), gasoline |

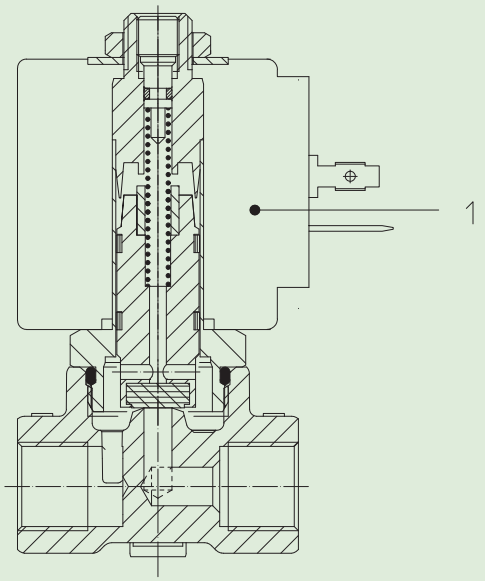
| Pipe ISO 228/1 | Code | Max viscosity | | Ø | Kv | Power | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | min | M.O.P.D. | |
| | | cSt | °E | mm | l/mn | watt | bar | AC bar | DC bar |
| G 1/4 | 21A2KC**V**55-01 | 21 | ~ 3 | 5,5 | 9 | 12 | 0 | - | 1 |

SOLENOID VALVE CALIBRATED AT 1 bar - Flow rate in air




**Note** Also available with brass body without lead.

The "ODE " reserves the right to carry out technical and aesthetic modifications without prior notice.




## MATERIALS:

| | |
|---|---|
| **Body** | Brass - UNI EN 12165 CW617N |
| **Armature tube** | Stainless steel AISI series 300 |
| **Fixed core** | Stainless steel AISI series 400 |
| **Plunger** | Stainless steel AISI series 400 |
| **Spring** | Stainless steel AISI series 300 |
| **Ring guide** | PTFE |
| **Orifice** | Brass - UNI EN 12165 CW617N |
| **Seal** | V=FKM |
| **Gasket** | V=FKM |

**On request:**

| | |
|---|---|
| **Connector** | Pg 9 or Pg 11 |
| **Connector conformity** | ISO 4400 |

## FEATURES

| | |
|---|---|
| **Electrical conformity** | IEC 335 |
| **Protection degree** | IP 65 EN 60529 (DIN 40050) with coil fitted by connector. |

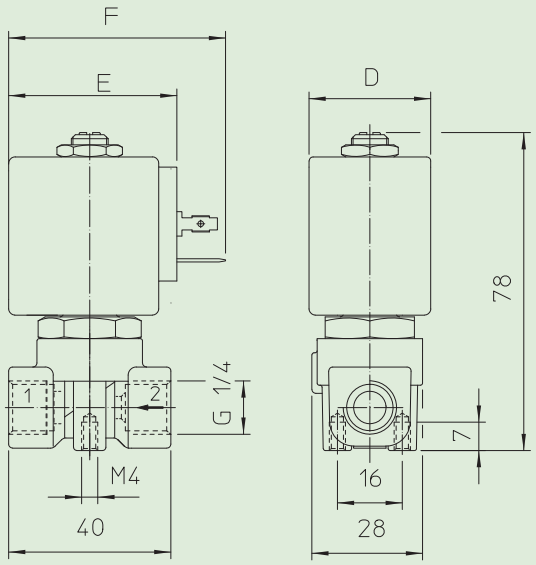
## SPARE PARTS:

1. **Coil:**
   See coils list

## KIT:

KT130KC***V***55-I

## DIMENSIONS:




| COIL TYPE | POWER ABSORPTION | DIMENSIONS | | |
|---|---|---|---|---|
| | W ⎓ | D mm | E mm | F mm |
| U | 12 | 36 | 48 | 60 |