



## Solenoid valve 2/2 way N.C. Direct acting

21TG1KR0V17

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21TG2KR0V40

### PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.

Minimum operational pressure is not required.

The materials used and the tests carried out ensure maximum reliability and duration.

**USE:** Automation  
Heating

**PIPES:** G 1/8 - G 1/4

**COIL:** 8W - Ø 13  
BDA - BSA 155°C (class F)  
BDV 180°C (class H)

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

Max. allowable pressure (PS) 40 bar

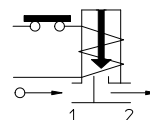
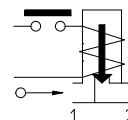
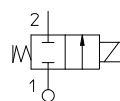
Ambient temperature:

See coils catalogue page for its compatibility.



| Gaskets                         | Temperature |        | Medium                                                   |
|---------------------------------|-------------|--------|----------------------------------------------------------|
| <b>V</b> =FKM (fluoroelastomer) | - 10°C      | +140°C | Mineral oils (2°E), gasoline<br>gas oil, fuel oils (7°E) |
| <b>B</b> =NBR (nitrile rubber)  | - 10°C      | + 90°C | Air, inert gas, water                                    |

For seals other than FKM replace the letter "V" with the ones corresponding to the other seals. E.I. 21TG2KR0**B**28.



| Pipe<br>ISO 228/1 | Code                 | Max viscosity |     | Ø<br>mm | Kv<br>l/mn | Power<br>watt | Pressure   |          |    |
|-------------------|----------------------|---------------|-----|---------|------------|---------------|------------|----------|----|
|                   |                      | cSt           | °E  |         |            |               | min<br>bar | M.O.P.D. |    |
| G 1/8             | 21TG1KR0 <b>V</b> 17 | 37            | ~ 5 | 1,7     | 1,5        | 8             | 0          | 30       | 20 |
|                   | 21TG1KR0 <b>V</b> 22 |               |     | 2,2     | 2,1        |               |            | 20       | 15 |
|                   | 21TG1KR0 <b>V</b> 28 | 53            | ~ 7 | 2,8     | 3,5        |               |            | 14       | 10 |
|                   | 21TG1KR0 <b>V</b> 40 |               |     | 4       | 5          |               |            | 6        | 3  |
| G 1/4             | 21TG2KR0 <b>V</b> 17 | 37            | ~ 5 | 1,7     | 1,5        |               |            | 30       | 20 |
|                   | 21TG2KR0 <b>V</b> 22 |               |     | 2,2     | 2,1        |               |            | 20       | 15 |
|                   | 21TG2KR0 <b>V</b> 28 | 53            | ~ 7 | 2,8     | 3,5        |               |            | 14       | 10 |
|                   | 21TG2KR0 <b>V</b> 40 |               |     | 4       | 5          |               |            | 6        | 3  |

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#### MATERIALS:

|                            |                                      |
|----------------------------|--------------------------------------|
| Body                       | Brass - UNI EN 12165 CW617N          |
| Incorporated armature tube | Brass - UNI EN 12165 CW617N          |
| Fixed core                 | Stainless steel AISI series 400      |
| Plunger                    | Stainless steel AISI series 400      |
| Phase displacement ring    | Copper - Cu 99,9%                    |
| Spring                     | Stainless steel AISI series 300      |
| Seal                       | Standard: V=FKM<br>On request: B=NBR |
| Orifice                    | Brass - UNI EN 12165 CW617N          |

#### On request:

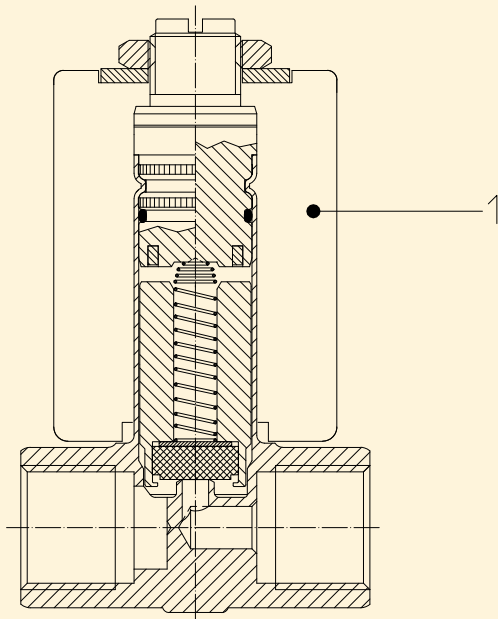
|                      |               |
|----------------------|---------------|
| Connector            | Pg 9 or Pg 11 |
| Connector conformity | ISO 4400      |

#### FEATURES:

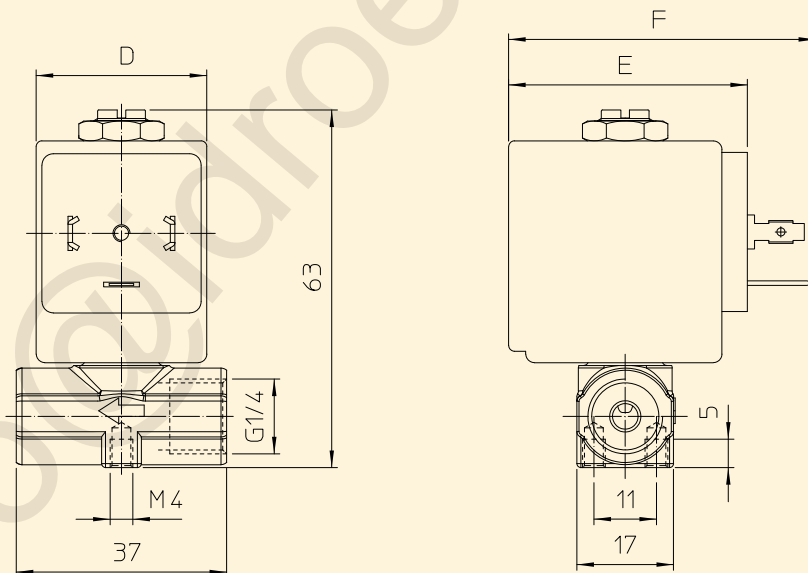
|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Electrical conformity | IEC 335                                                     |
| Protection degree     | IP 65 EN 60529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

#### SPARE PARTS:

1. Coil:  
See coils list



#### DIMENSIONS:



| BOBINA<br>TIPO | POTENZA |                   |                     | DIMENSIONI |         |         |
|----------------|---------|-------------------|---------------------|------------|---------|---------|
|                | W<br>== | Esercizio<br>VA ~ | Allo spunto<br>VA ~ | D<br>mm    | E<br>mm | F<br>mm |
| B              | 8       | 14,5              | 25                  | 30         | 42      | 54      |