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

**21APBK0*V*15 ÷ 21APBK0*V*30**

## 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:** subplate mounting

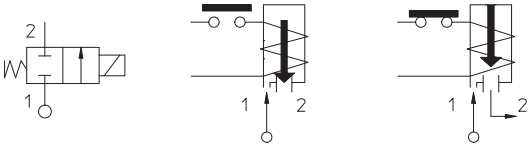
**COIL:**

| | | |
|---|---|---|
| 8W - Ø 13 | | |
| BDA - BSA | 155°C | (class F) |
| BDV | 180°C | (class H) |
| 12W - Ø 13 | | |
| UDA | 155°C | (class F) |
| UDV | 180°C | (class H) |

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

Ambient temperature:
See coils catalogue page for its compatibility.

| Gaskets | Temperature | | Medium |
|---|---|---|---|
| **V**=FKM (fluoroelastomer) | - 10°C | +140°C | Mineral oils (2°E),gasoline gas oil, fuel oils (7°E) |
| **B**=NBR (nitrile rubber) | - 10°C | +90°C | Air, inert gas, water |
| **E**=EPDM (ethylene-propylene) | - 10°C | +140°C | Water, steam |



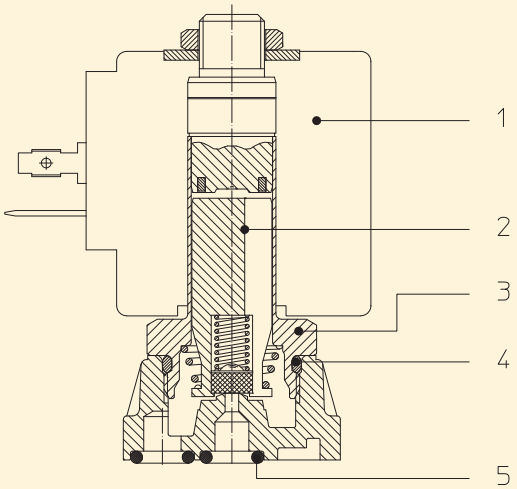

For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I.21APBK0***B***20.

**Max allowable pressure (PS) 16 bar - According to EN 60730-2-8** - Factor of safety for domestic applications equal to 5 times PS

| Pipe | Code | Max viscosity | | Ø | Kv | Power | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | min | M.O.P.D. | |
| | | cSt | °E | mm | l/mn | watt | bar | AC bar | DC bar |
| SUBPLATE MOUNTING | 21APBK0***V***15 | 12 | ~ 2 | 1,5 | 1,4 | 8 | 0 | 16 | 16 |
| | 21APBK0***V***20 | 37 | ~ 5 | 2 | 2 | 12 | | | |
| | 21APBK0***V***25 | 53 | ~ 7 | 2,5 | 3,2 | 8 | | 14 | 9 |
| | | | | | | 12 | | 16 | 16 |
| | 21APBK0***V***30 | | | 3 | 4 | 8 | | 10 | 6 |
| | | | | | | 12 | | 16 | 16 |

**Max allowable pressure (PS) 25 bar** - Safety factor for industrial application equal to 3 times PS | Please consult our Technical Service.

**Note**
Max torque for coil nut assembly 2 Nm, armature tube 4 Nm | Available also with coil Ex nA | The use of rigid sealings (Ruby or PTFE) usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar | For application with steam, please consult our Technical Service | Available on request and with minimum quantities




## MATERIALS:

| | |
|---|---|
| **Body** | PPS |
| **Armature tube** | Stainless steel AISI series 300 |
| **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 E=EPDM |
| **Orifice** | PPS |
| **On request:** | |
| **Connector** | Pg 9 or Pg 11 |
| **Connector conformity** | ISO 4400 |

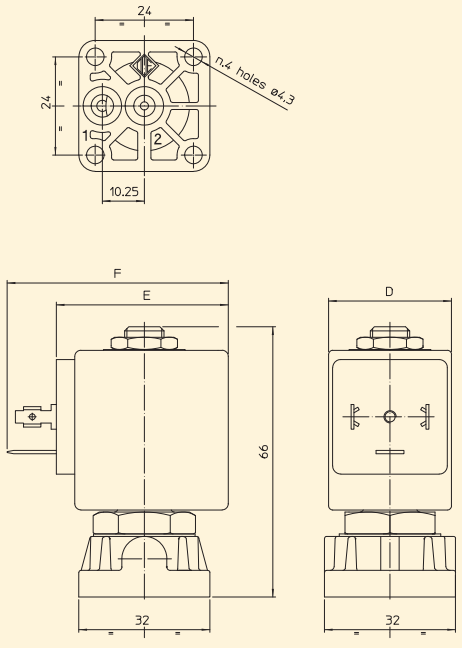
## FEATURES:

| | |
|---|---|
| **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
2. **Complete plunger:**
   Code R450886/***VX***
3. **Complete armature tube:**
   Code R450603
4. **Gasket O-Ring:**
   Code R990000/**VX**
5. **Gasket O-Ring:**
   Code R990002/**S**

## DIMENSIONS:




| COIL TYPE | POWER ABSORPTION | | | DIMENSIONS | | |
|---|---|---|---|---|---|---|
| | W ⎓ | Hold VA ~ | Inrush VA ~ | D mm | E mm | F mm |
| B | 8 | 14,5 | 25 | 30 | 42 | 54 |
| U | 12 | 23 | 35 | 36 | 48 | 60 |