# Solenoid valve 3/2 way N.C.
# Direct acting

**31A1AR10-V ÷ 31A1AR20-V**

## 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:** Hot water
Steam (180°C)

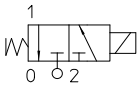
**PIPES:** subplate mounting

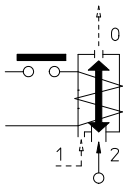
**COILS:** 8W - Ø 13

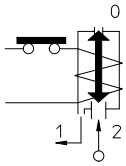
| | | |
|---|---|---|
| BDA - BSA | 155°C | (class F) |
| BDV | 180°C | (class H) |

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

| Gaskets | Temperature | | Medium |
|---|---|---|---|
| **R**=RUBY | - 40°C | + 180°C | Hot water, Steam |

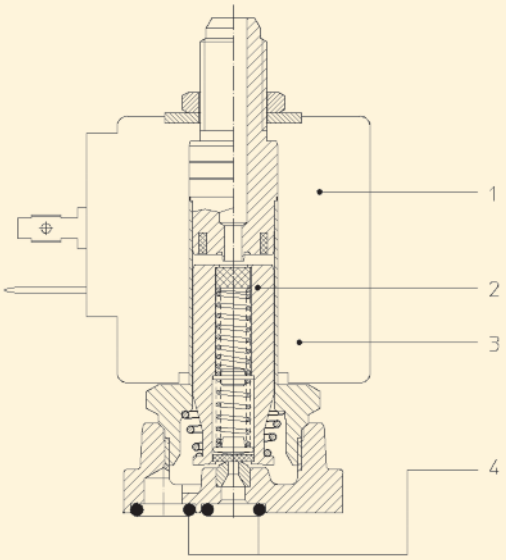



| Pipe | Code | Max viscosity | | Ø | Kv | Power | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | min | M.O.P.D. | |
| | | cSt | °E | mm | l/mn | watt | bar | AC bar | DC bar |
| SUBPLATE MOUNTING | 31A1A**R**10-V | - | - | 1* | 0,45 | 8 | 0 | 20 | 20 |
| | 31A1A**R**15-V | | | 1,5* | 1,4 | | | 15 | 15 |
| | 31A1A**R**20-V | | | 2* | 2 | | | 10 | 10 |

**Note**
* 3rd way exhaust= Ø 2,5 mm
Also available with brass body without lead.
The use of rigid sealings usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar.
Available on request and with minimum quantities.




## 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 |
| **Phase displacement ring** | Copper - Cu 99,9% |
| **Spring** | Stainless steel AISI series 300 |
| **Seal** | R=RUBY |
| **Orifice: Insert slot** | Stainless steel AISI series 300 |

**On request:**

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

## SPARE PARTS:

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

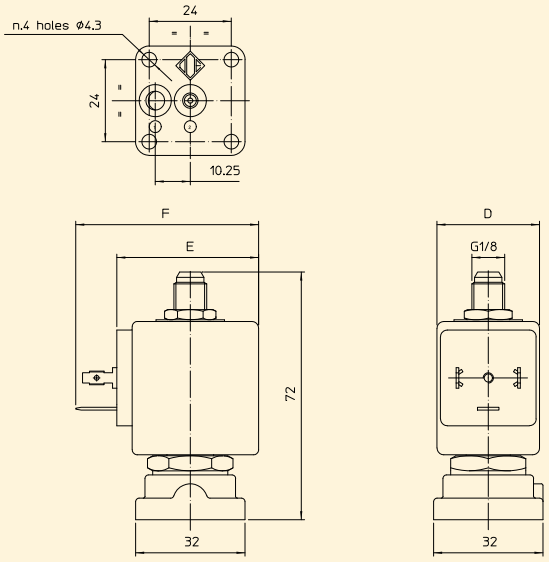
## SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450982
3. **Complete armature tube:**
   Code R450944
4. **Gasket O-Ring:**
   Code R990002/***S***

## KIT

KT130A***R***30-AV=**2+3**

## 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 |