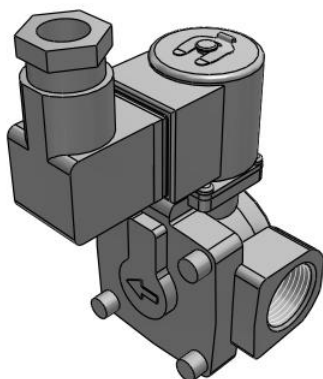


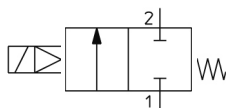


## JSXD, Pilot Operated 2-Port Solenoid Valve, N.C. JSXD51-SF06F-5DS

### Datasheet

### General series information

- Applicable fluid: air, water, oil
- Flow rate up to 2200 l/min (water)
- Orifice diameter: 10 to 50 mm
- Port size: 1/4" to 2"
- Body material: stainless steel, brass, bronze and aluminium
- Coil material: stainless steel
- Enclosure: IP67.



*Directional control valve 2/2-way valve, closed normal position With a combination control by solenoid and pilot valve control Return with mechanical control spring*

### Standard specifications

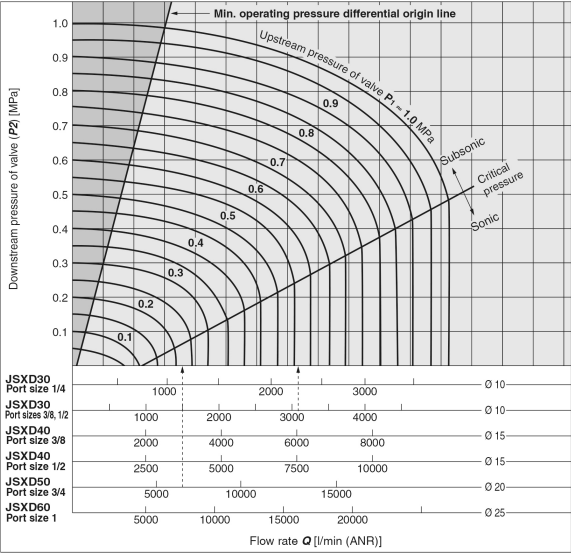
|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Size                                   | 5 (50)                                        |
| Valve Type                             | 1 (Normally Closed)                           |
| Body Material                          | S (Stainless Steel)                           |
| Seal Material                          | F (FKM)                                       |
| Port Size                              | 06 (3/4)                                      |
| Thread Type                            | F (G)                                         |
| Rated voltage                          | 5 (24 VDC)                                    |
| Electrical Entry                       | DS (DIN Terminal, w/Surge Voltage Suppressor) |
| Oil-free Option                        | None                                          |
| Bracket                                | None                                          |
| Maximum temperature of pressure medium | 60 °C                                         |
| Minimum temperature of pressure medium | Air: -10 °C, Water: 1 °C, Oil: -5 °C          |
| Maximum operating pressure             | 1 MPa                                         |
| Maximum ambient temperature            | 60 °C                                         |
| Minimum ambient temperature            | -20 °C                                        |
| Conform to the European RoHS Directive | Conform                                       |

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Enclosure                     | IP67 (IP65 for the DIN terminal)            |
| Technical graph 1             | 1001B_graph1.1_en.jpg;1001B_graph1.2_en.jpg |
| Graph1 title                  | Flow Rate Characteristics                   |
| Allowable voltage fluctuation | ±10% of rated voltage                       |
| Allowable leakage voltage     | 2 % or less of the rated voltage            |
| Power consumption             | 6 W                                         |
| Temperature rise              | 65 °C                                       |
| Valve Leakage                 | Air: 2 cm³/min, Water and oil: 0.2 cm³/min  |
| External Leakage              | Air: 1 cm³/min, Water and oil: 0.1 cm³/min  |
| Weight                        | 0.930 Kg                                    |

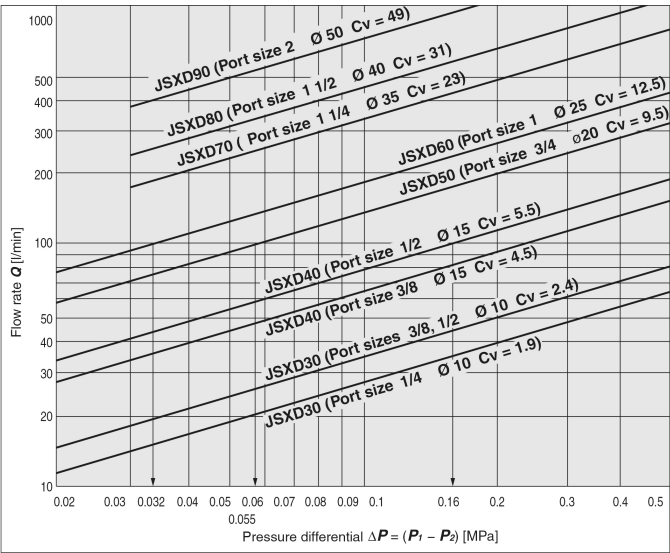
Technical information graphs

Flow Rate Characteristics

For Air (Orifice diameter: Ø 10 mm, Ø 15 mm, Ø 20 mm, Ø 25 mm)

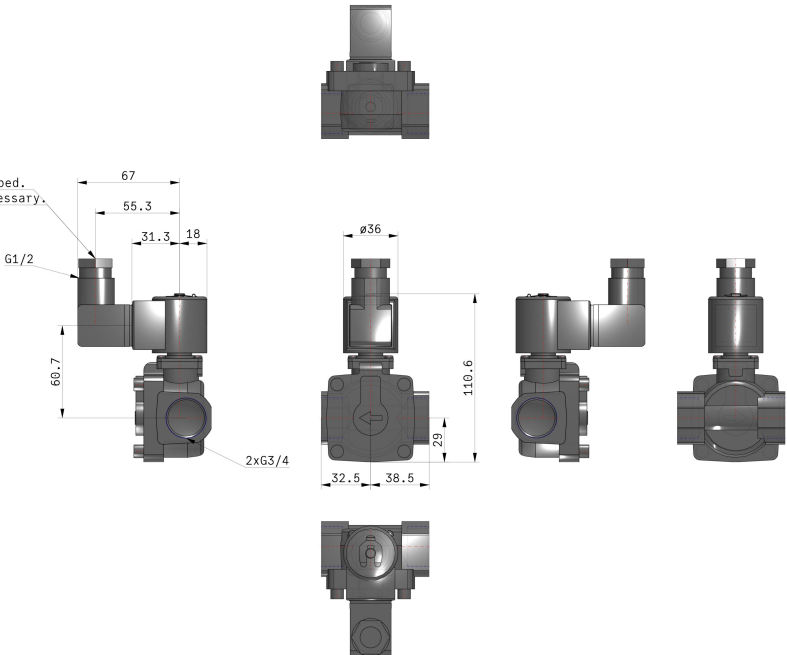


For Water

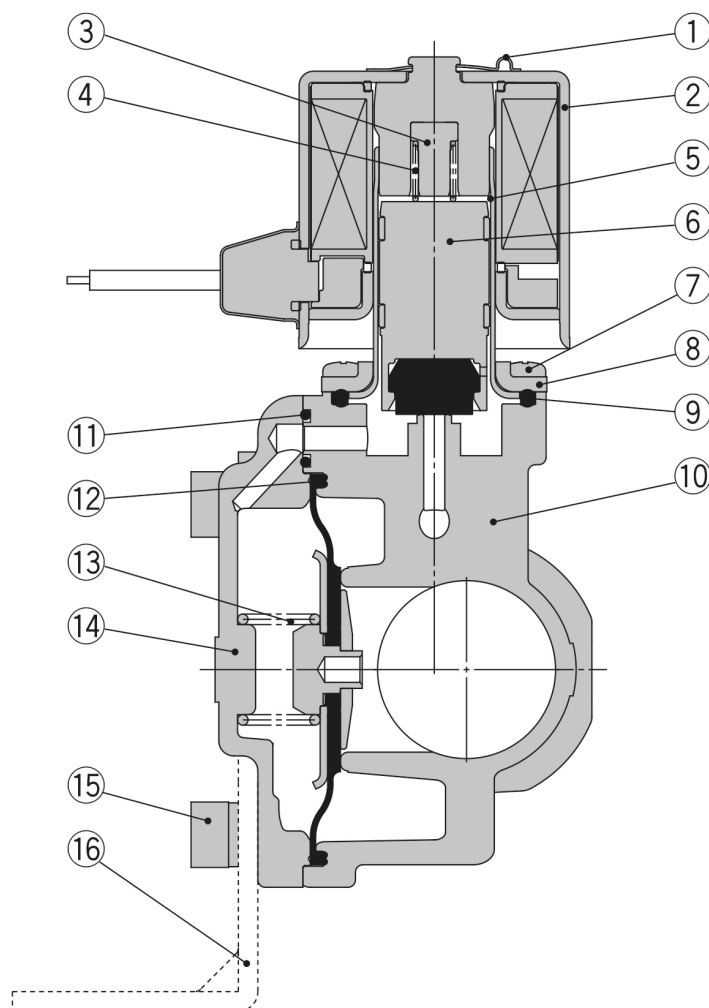


Dimensions

Note: The "DIN terminal connector direction" in this CAD data will not be reflected in the actual product that will be shipped.  
After the product is delivered, please adjust the orientation of the connector as necessary.



## Constructions



### Component Parts

| No. | Description        | Material                               |                 |
|-----|--------------------|----------------------------------------|-----------------|
|     |                    | Brass                                  | Stainless steel |
| 1   | Clip               | Stainless steel                        |                 |
| 2   | Solenoid coil      | Stainless steel, Cu, Resin             |                 |
| 3   | Stopper            | PPS                                    |                 |
| 4   | Spring             | Stainless steel                        |                 |
| 5   | Tube assembly      | Stainless steel                        |                 |
| 6   | Armature assembly  | Stainless steel, PPS, NBR, (FKM, EPDM) |                 |
| 7   | Mounting screw     | Fe                                     |                 |
| 8   | Bonnet             | Stainless steel                        |                 |
| 9   | Gasket             | NBR, (FKM, EPDM)                       |                 |
| 10  | Body               | Brass                                  | Stainless steel |
| 11  | O-ring             | NBR, (FKM, EPDM)                       |                 |
| 12  | Diaphragm assembly | Stainless steel, NBR, (FKM, EPDM)      |                 |
| 13  | Valve spring       | Stainless steel                        |                 |
| 14  | Bonnet             | Brass                                  | Stainless steel |
| 15  | Bolt               | Fe                                     |                 |
| 16  | Bracket            | Fe                                     |                 |

## Additional information

|                           |                                            |
|---------------------------|--------------------------------------------|
| Catalogue                 | <a href="#">JSX-Da_EU.pdf</a>              |
| Declaration of conformity | <a href="#">newDoC_JSXD_TF1Z311EN.pdf</a>  |
| Installation manuals      | <a href="#">IM_JSXD_TF2Y015EN-B.pdf</a>    |
| Operation manuals         | <a href="#">OM_JSXD_DOC1029458EN-1.pdf</a> |