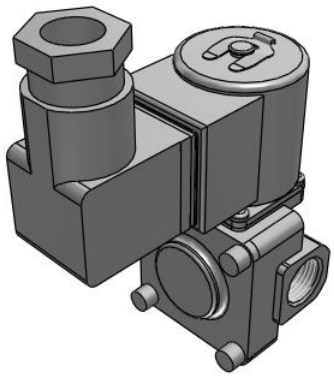


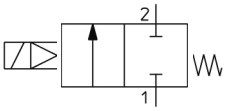
JSXD, Pilot Operated 2-Port Solenoid Valve, N.C.

JSXD31-SF03F-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 combinationed control by solenoid and pilot valve control Return with mechanical control spring

Standard specifications

Size	3 (30)
Valve Type	1 (Normally Closed)
Body Material	S (Stainless Steel)
Seal Material	F (FKM)
Port Size	03 (3/8)
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

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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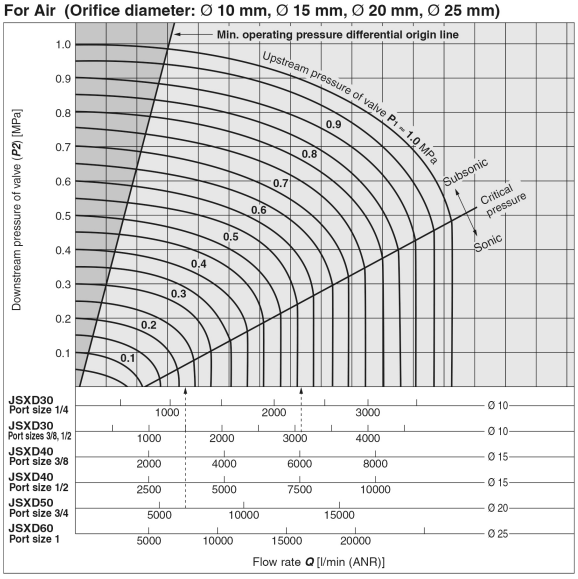
Enclosure	IP67 (IP65 for the DIN terminal)
Technical graph 1	1001B_graph1.1_en.jpg;1001B_graph1.2_en.jpg
Graph1 title	Flow Rate Characteristics
Allowable voltage fluctuation	±10% of rated voltage
Allowable leakage voltage	2 % or less of the rated voltage
Power consumption	6 W
Temperature rise	65 °C
Valve 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	0.550 Kg

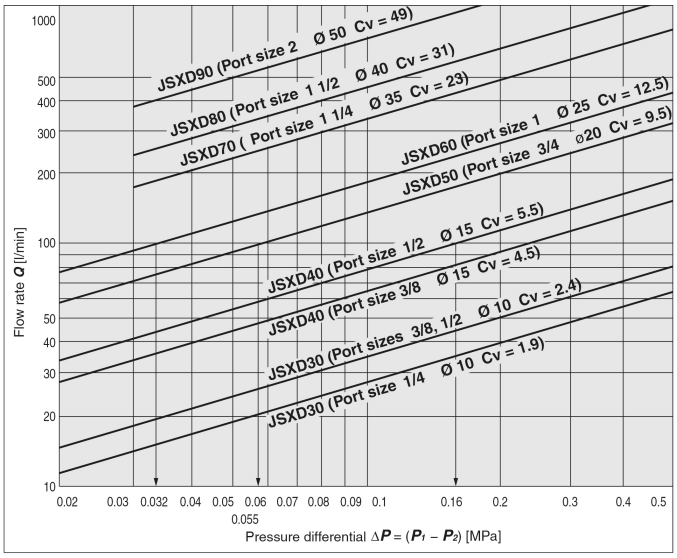
Technical information graphs

Flow Rate Characteristics

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



For Water



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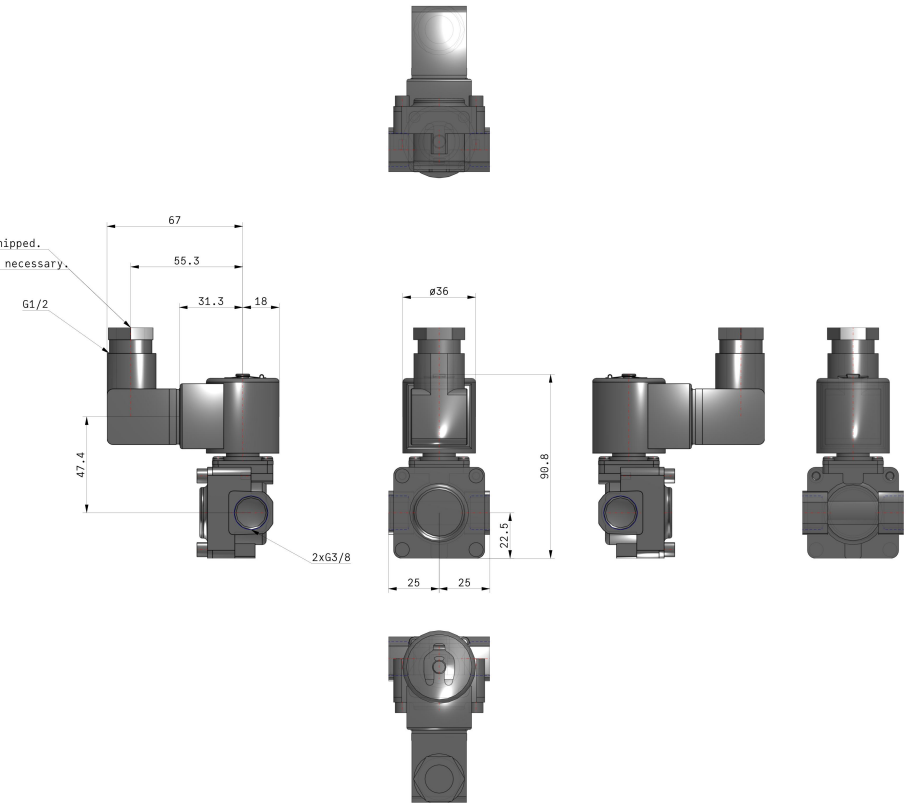
Dimensions

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.



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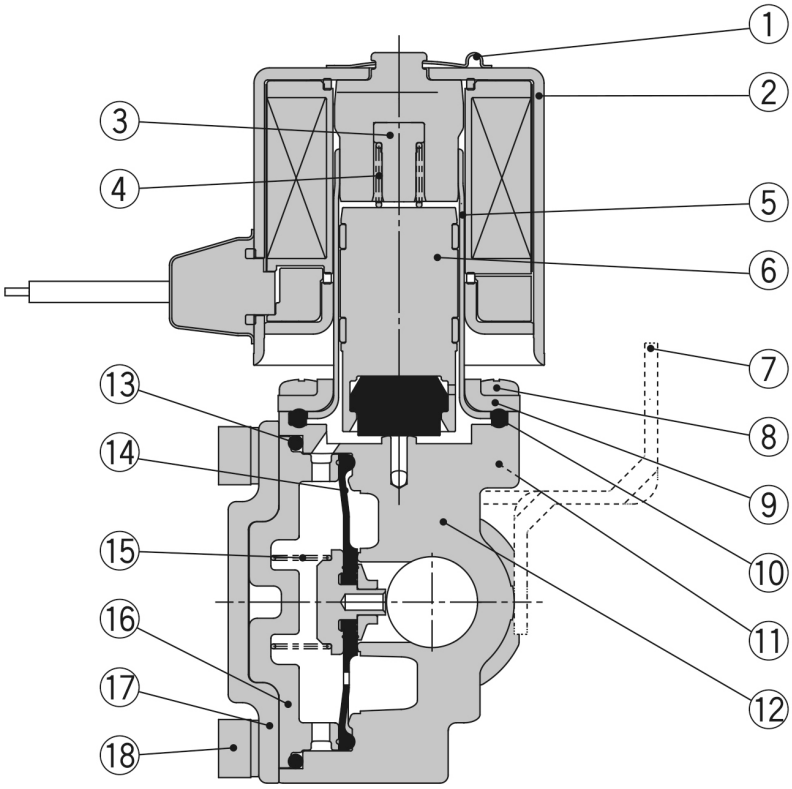
Constructions



Component Parts

No.	Description	Material		
		Brass	Stainless	Aluminium
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)		Stainless steel, PPS, NBR, (FKM)
7	**Bracket**	Fe		
8	**Mounting screw**	Fe		
9	**Bonnet**	Stainless steel		
10	**Gasket**	NBR, (FKM, EPDM)		NBR, (FKM)
11	**Bolt**	Fe		
12	**Body**	Brass	Stainless	Aluminium
13	**O-ring**	NBR, (FKM, EPDM)		NBR, (FKM)
14	**Diaphragm assembly**	Stainless steel, NBR, (FKM,		Stainless steel, NBR,
15	**Valve spring**	Stainless steel		
16	**Buffer**	PPS		
17	**Bonnet**	Stainless steel		
18	**Bolt**	Fe		

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Additional information

Catalogue	JSX-Da_EU.pdf
Declaration of conformity	newDoC_JSXD_TF1Z311EN.pdf
Installation manuals	IM_JSXD_TF2Y015EN-B.pdf
Operation manuals	OM_JSXD_DOC1029458EN-1.pdf

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