



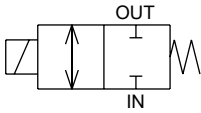
Metal-free 2-port solenoid valve

MJB3 Series

- NC
- Working fluid: Water/pure water/chemical liquids
- Port size: Tube connection porting O.D. x I.D. = $\phi 8 \times \phi 4$



JIS symbol



Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

Descriptions	MJB3-4TN
Working fluid	Water, pure water, chemical liquids (fluids that do not corrode wetted part materials)
Proof pressure MPa	0.23 (≈33 psi, 2.3 bar) (water pressure)
Working pressure MPa	IN→OUT -0.06 to 0.15 When OUT port has negative pressure, the IN port is open to the atmosphere. OUT→IN -0.06 to 0.15 When IN port has negative pressure, the OUT port is open to the atmosphere.
Fluid temperature °C	0 (32°F) to 90 (194°F) (no freezing)
Ambient temperature °C	0 (32°F) to 40 (104°F)
Atmosphere	No explosive or corrosive atmospheres
Valve seat leakage cm ³ /min	0 (water pressure)
Port size	Tube connection porting O.D. x I.D. = $\phi 8 \times \phi 4$
Orifice size mm	3
Cv	0.2
Mounting orientation	Unrestricted
Weight kg	0.15
Electrical specifications	
Rated voltage	24 VDC
Voltage fluctuation range	±10%
Power consumption W	5.1
Leakage current mA	1 or less (*1)
Thermal class	Class 130 (B)

*1 : The leakage current from the control circuit must be equal to or less than the values shown in the table.

*2 : For 0.1% or less effective concentration of sodium hypochlorite (soda), perform functional testing according to your application before use.

Contact CKD for more than 0.1% effective concentration.

*3 : Do not apply excessive force on the fitting when connecting or disconnecting the tube.

*4 : Recommended tube

Material: Silicone rubber, size: O.D x I.D = $\phi 11 \times \phi 5$

How to order

MJB3 - **4TN** - **P** **F** - **DC24V**

Model No.

A Port size

B Body material

C Sealant

D Voltage

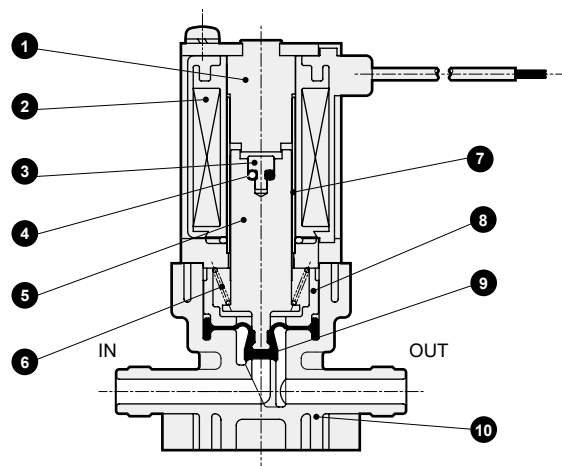
Code	Content
A Port size	
4TN	Port I.D. $\phi 4$
B Body material	
P	PPS
S	PSU
C Sealant	
F	FKM
D Voltage	
DC24V	24 VDC

EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/
AD
APK/
ADK
DryAir
EX-
XPLNprf
XPLNprf
HVB/
HVL
S/B/
NAB
LAD/
NAD
Water-
Rela
NP/NAP/
NVP
SNP
CHB/G
MXB/G
Other
valves
SWD/
MWD
DustColl
CVE/
CVSE
CCH /
CPE/D
LifeSci
Gas-
Combus
Auto-
Water
SpecFld
Custom
Ending

MJB3 Series

- EXA
- FWD
- HNB/G
- USB/G
- FAB/G
- FGB/G
- FVB
- FWB/G
- FHB
- FLB
- AB
- AG
- AP/
AD
- APK/
ADK
- DryAir
- EX-
XPLNprf
- XPLNprf
- HVB/
HVL
- S ∇ B/
NAB
- LAD/
NAD
- Water-
Rela
- NP/NAP/
NVP
- SNP
- CHB/G
- MXB/G
- Other
valves
- SWD/
MWD
- DustColl
- CVE/
CVSE
- CCH /
CPE/D
- LifeSci
- Gas-
Combus
- Auto-
Water
- SpecFld
- Custom
- Ending

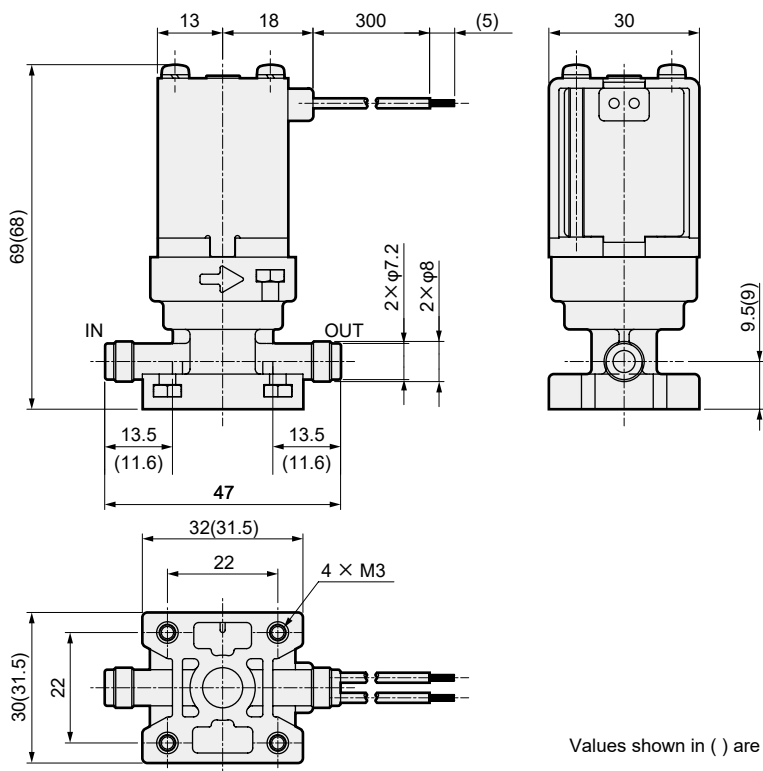
Internal structure and main part material



No.	Part name	Material	
1	Core A	SUM	Steel
2	Coil assembly	Class B molded coil	
3	Rod	PPS	Polyphenylene sulfide
4	O-ring	FKM	Fuoro rubber
5	Plunger	SUS405	Stainless steel
6	Spring	SUS304	Stainless steel
7	Guide pipe	SUS304	Stainless steel
8	Diaphragm holder	PPS	Polyphenylene sulfide
9	Diaphragm	FKM	Fuoro rubber
10	Body	PPS (PSU)	Polyphenylene sulfide (Polysulfone)

() shows options.

Dimensions



Values shown in () are for PSU body.