



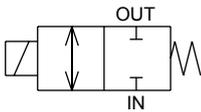
Metal-free 2-port solenoid valve

MJB3 Series

- NC (open when energized)
- Working fluid: Water/pure water/chemical liquids
- Port size: Tube connection porting O.D. x I.D. = $\varnothing 8 \times \varnothing 4$



JIS symbol



Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

| Item | 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. = $\varnothing 8 \times \varnothing 4$ |
| 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. Do not attempt to use effective chlorine concentration exceeding 0.1%.

*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 = $\varnothing 11 \times \varnothing 5$

How to order

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

Model No.

A Port size

B Body material

C Sealant

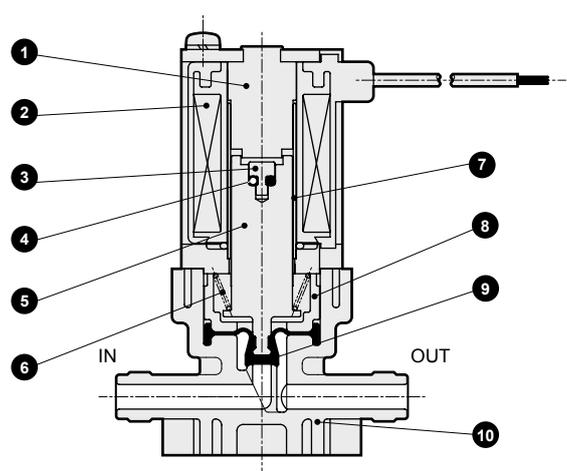
D Voltage

| Code | Description |
|------------------------|---------------------------|
| A Port size | |
| 4TN | Port I.D. $\varnothing 4$ |
| 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 \varnothing 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
Outdoor
SpecFld
Custom
Ending

Internal structure and parts list

- 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 \diamond 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
- Outdoor
- SpecFld
- Custom
- Ending



Cannot be disassembled

| 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 Fluoro rubber |
| 5 | Plunger | SUS405 or equiv. Stainless steel |
| 6 | Spring | SUS304 Stainless steel |
| 7 | Guide pipe | SUS304 Stainless steel |
| 8 | Diaphragm holder | PPS Polyphenylene sulfide |
| 9 | Diaphragm | FKM Fluoro rubber |
| 10 | Body | PPS (PSU) Polyphenylene sulfide (Polysulfone) |

() shows options.

Dimensions

