



Frequent operation pilot operated 2-port solenoid valve

A2-5202

- NC
- Working fluid: Compressed air, dry gas, inert gas
- Port size: Rc1/4, Rc3/8

Custom order product



The air pressure open/close state can be controlled at high frequency.

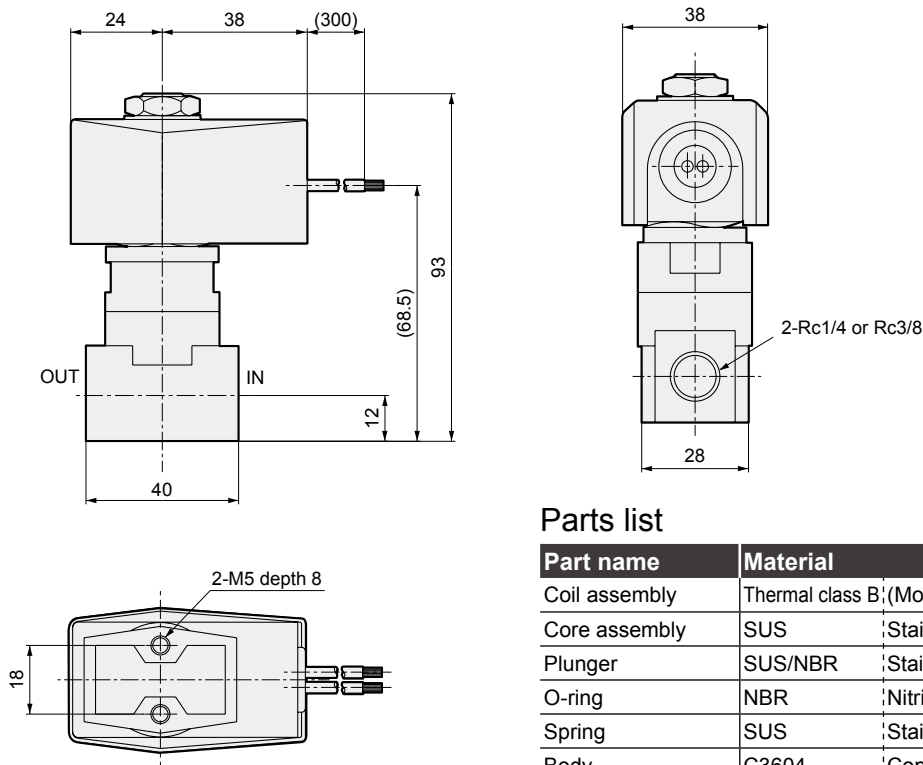
- Excellent response and response stability.
- Durability: 10 or more times higher than conventional products.

Specifications

| Descriptions | A2-5202-02-7 | A2-5202-03-7 |
|---|---|--------------|
| Working fluid | Compressed air, dry gas, inert gas | |
| Working pressure MPa | 0.02 (≈2.9 psi, 0.2 bar) to 0.7 (≈100 psi, 7 bar) | |
| Proof pressure (water pressure) MPa | 1.5 (≈220 psi, 15 bar) | |
| Fluid temperature °C | 0 (32°F) to 50 (122°F) | |
| Ambient temperature °C | 0 (32°F) to 50 (122°F) | |
| Valve seat leakage cm ³ /min | 10 or less | |
| Port size | Rc1/4 | Rc3/8 |
| Orifice size mm | 7 | |
| C[dm ³ /(s·bar)] | 5.6 | 5.6 |
| b | 0.29 | 0.29 |
| Weight kg | 0.52 | |
| Mounting orientation | Unrestricted | |
| Electrical specifications | | |
| Rated voltage | 24 VDC intermittent rating (energizing time ratio: ON ≤ OFF, max. continuous energizing time: 10 sec) | |
| Power consumption W | 20 | |
| Thermal class | Class 130 (B) | |

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

Dimensions and parts list



Parts list

| Part name | Material | |
|---------------|-------------------------|--------------------------------|
| Coil assembly | Thermal class B; (Mold) | |
| Core assembly | SUS | Stainless steel |
| Plunger | SUS/NBR | Stainless steel/nitrile rubber |
| O-ring | NBR | Nitrile rubber |
| Spring | SUS | Stainless steel |
| Body | C3604 | Copper alloy |
| O-ring | NBR | Nitrile rubber |
| Body | C3771 | Copper alloy |

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