



Pneumatic components

## Safety Precautions

Be sure to read this section before use.

Refer to Intro Page 59 for general precautions for using valves.

Product-specific cautions: Manual selector valve HMV/HSV Series

### Design/selection

#### CAUTION

- In locations with a lot of dust, prevent entry of dust by attaching a silencer to the EXH port or through a similar method.

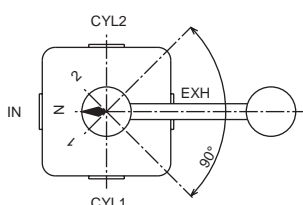
- The flow of air when switching is expressed by the letters indicated by the arrows on the tip of the switching handle.

When 1: IN → CYL1, CYL2 → EXH

When 2: IN → CYL2, CYL1 → EXH

When N: all ports closed

or CYL1/2 → EXH (ABR) connection



- Switching different pressures (switching 2 types of pressures) is enabled by configuring the higher pressure on the IN side and the lower pressure on the EXH side.

(1) If the higher pressure is not constantly applied on the IN side, this may lead to defective switching or air leakage.

(2) Use a regulator with relief on the EXH side.

- The main valve is a slide valve structure and there is internal leakage. The cylinder stopping position may change or pressure drop may occur due to internal leakage.
- For use with a 2-position valve, a 3-position all ports closed can be substituted. (N: Consider the neutral position as the transition period of the operation between 1↔2.)
- When switching the handle position between N↔1 or N↔2, there are positions that instantaneously connect to all ports.
- The manual operating force for the first operation after not being in operation for a while will be greater.

### Mounting, installation and adjustment

#### CAUTION

- Be sure to install the piping for the air supply from IN.
- With the vertical piping specifications, a hex socket plug will protrude in order to mask the thread for lateral piping. Refer to the dimensions for detailed dimensions.

- For use with a panel mount, use a metric threaded component (HMV\*2...4-M5, HSV\*2...4-M6). Refer to the dimensions for details.
- In consideration of panel mount installation, the handle assembly is shipped as an attachment.

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending