



VH Series

Specific Product Precautions

Be sure to read this before handling the products.

Refer to back page 50 for Safety Instructions and pages 3 to 9 for 3/4/5 Port Solenoid Valve Precautions.

Design

Warning

1. **Not suitable for use as a selector valve or a divider valve.**

The valve can malfunction due to air leakage.

2. **Not suitable for negative pressure.**

The valve can malfunction due to air leakage.

3. **Do not supply air pressure from other ports than 1(P) port.**

Air leakage may occur when the pressure is supplied from other ports.

Selection

Warning

1. **Intermediate stop**

When stopping the cylinder piston in the middle using the 3 position closed center valve, it is not possible to stop it correctly and precisely as the hydraulic equipment due to the air compressibility. Do not use this valve because it has slight air leakage and can not hold a stopping position. When it is necessary to hold a stopping position, select an equipment to prevent displacement and design the circuit.

Caution

1. **Use in low temperature environments**

The valve can be used at a temperature down to -5°C. Take appropriate measures to avoid freezing of drainage, moisture, etc.

2. **Operation method**

The valve must be switched to each position instantly and securely. Stopping the handle halfway between the extreme positions may cause malfunction.

3. **Switch the valve by hand**

If a hammer or other tools are used, or it is operated mechanically through the use of a cylinder or the like, damage could result.

Piping

Caution

1. **Ensure connection so that air is supplied to the port "1(P)" port.**

Air leakage may occur when the pressure is supplied from other ports.

Environment

Warning

1. **When the valve is exposed to a large amount of dust, install a silencer into the port "3(R)". When dust enters the valve from the port "3(R)", it may cause air leakage.**