



To Use This Product Safely

Please read before use.
Refer to Intro 27 and "Fluid Control Valves (No. RJ-013AA)" for general precautions.

Individual Precautions : Spool Position Detection 3-Port Solenoid Valve SNP Series

At Design / Selection

WARNING

Ambient environment

- ① SNP Series cannot be used in an explosive gas atmosphere.
- ② If there are high levels of dust in the area, install a downward-facing silencer or elbow fitting on the exhaust port so that dust does not enter.

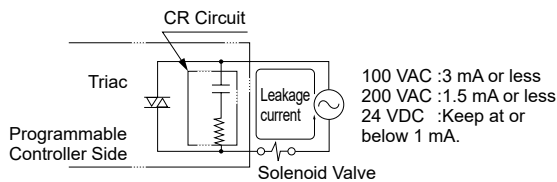
CAUTION

Ultra dry air

The inside of the valve is initially lubricated with grease. If the air quality condition requires super dry air up to the end of the circuit, it may not be suitable for use.

Leakage current from other fluid control components

When operating the solenoid valve with a programmable controller etc., please verify that the leakage current of the programmable controller output is within the following specifications. It may lead to malfunction.



Minimum operating pressure

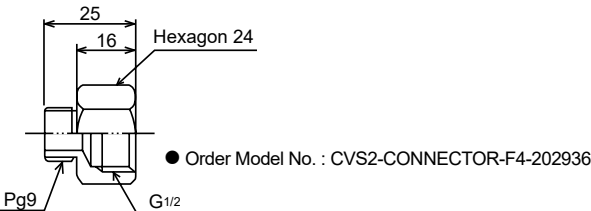
To operate the SNP series, a pressure of 0.2 MPa or more is required. Also, if the piping cross-sectional area on the fluid supply side is restricted, the pressure inside the valve may drop due to the pressure drop during valve operation, causing unstable operation.

Fluid supply side piping

Ensure that the effective cross-sectional area of the fluid supply side (P port) piping is twice the combined effective cross-sectional area of the piping connected to the outlet side (A port) and exhaust side (R port). Insufficient flow rate during valve operation may make it impossible to ensure the minimum operating pressure.

Wiring

- ① Refer to "Fluid Control Valves (No. RJ-013AA)" for connection methods to a DIN terminal box.
- ② When changing the thread size from Pg9 to G1/2 for the junction box outlets of the DIN terminal box, use the optional connector shown at the right.



For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Component Products site (<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → Instruction Manual.