



Fluid control valves

# Safety Precautions

Be sure to read this section before use.  
Read safety precautions for "Fluid control valves (RJ-013AA)" as well.

Product-specific cautions: Solenoid valve for automatic watering RSV Series

## Design / selection

### CAUTION

- This product cannot be used as an emergency shut-off valve.

The solenoid valves listed in this catalog are not designed as valves to ensure safety such as emergency shutoff valves. When using in such a system, always take separate measures that will ensure safety.

- This product cannot be used in an explosion-proof atmosphere.

Select products from the explosion-proof solenoid valve series for use within an explosion-proof atmosphere.

- Working fluids

Do not use any fluid other than the working fluids specified in the catalog.

- Fluid temperature

Be sure to use the coolant check valve within the specified fluid temperature range.

- Ambient environment

- ① Do not use this product in a corrosive gas atmosphere or an atmosphere that could affect the component materials.

- ② Do not use this product near a heat generating source or in a location where it may be exposed to radiant heat.
- ③ Use this product within the operating ambient temperature.
- ④ When using this product in a cold climate, take necessary measures to prevent freezing by wrapping the product with insulation or heating tape. However, refrain from wrapping insulation, etc., around the coil.
- ⑤ Although solenoid valves with a protection grade of IP67 have a structure capable of withstanding temporary submersion in water, be sure to ensure proper drainage of water to prevent deterioration of insulation. In addition, avoid direct exposure to sunlight.

- Securing maintenance space

Secure sufficient space for maintenance and inspection.

- Leakage current

When using a PLC with a CR circuit to absorb the surge voltage generated from switching elements, etc., the leakage current could adversely affect the operation of the solenoid valve. Use the products with a leakage current which is less than the values listed in this catalog for each product.

- Min. working pressure differential

Use the products at a pressure higher than the min. working pressure differentials within the specifications listed in the catalog.

For cautions for mounting, installation, adjustment, use, and maintenance, refer to CKD Component Product Site (<https://www.ckd.co.jp/kiki/en/>) → "Model No." → [Instruction manual](#) for details.

MEMO