



Pneumatic components (Main Line Filter)

Safety Precautions

Be sure to read this section before use.
Refer to Intro 15 for General Precautions.

MEMO

Product-Specific Cautions: Medium Main Line Filter AF2 Series

Manufacturer's Disclaimer

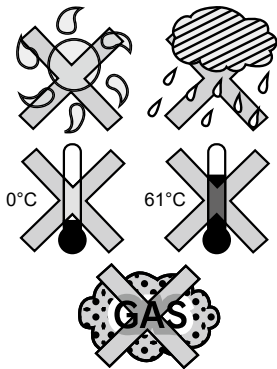
WARNING

- The manufacturer cannot be held liable in the following cases:
 - In the case where there are serious errors in the operator's use.
 - Illegal modifications or repairs using non-standard parts by user.

Design / Selection

WARNING

- Do not use for applications other than compressed air.
- Do not use for caisson shields or medical devices such as breathing devices.
Doing so may result in serious injury.
- Do not mount and use this device on transportation components such as vehicles or ships.
Vibration may cause internal damage.
- Avoid direct sunlight and rain water. Resin parts, etc., are likely to deteriorate and break.
- Do not use in locations with corrosive gases.
- Use this product within the range of the working temperature.



- Do not use in locations where there is a risk of freezing. There is a risk that condensate accumulated inside the product may freeze and damage the product.
- Do not use in hazardous locations (e.g., potentially explosive atmospheres).
- The inlet air temperature should be kept as low as possible. The higher the temperature, the worse the oil removal rate.

- Avoid use in environments where ozone is generated.
- Avoid use in places subject to vibration or shock.
- Do not use this product in areas containing dust, etc.
- Do not use in environments where the following gaseous substances are contained in compressed air.
 - Sulfur dioxide, Chlorine gas
 - Aromatic hydrocarbon compounds (For example, benzene, toluene, phenol, cyclohexane, etc.)
 - Chlorinated hydrocarbon compounds (Example: Trichloroethylene, Chloroform, etc.)
 - Ketones (Example: Acetone, etc.)
 - Aldehydes (Example: Formaldehyde, Acetaldehyde, etc.)
 - Amines (Example: Ethylamine, Methylamine, etc.)
- Always set the air flow to within the working pressure range and the processing air rate.
Otherwise, water, dust, and oil removal performance may be compromised.
- Install indoors.
- The drain discharger is a normally open type.
Applicable compressor should be 0.75 kW or more (discharge flow 90 L/min or more).
- The filter life is one year or when the pop-up indicator turns red, whichever comes first. Replace the element with a new one when its lifespan is reached. (However, the X-type should be replaced after 1000 hours (at 21°C) or when it loses its deodorizing effect.)
- The condensate drain purges air with the initially generated condensate until the pressure rises to 0.1 MPa.

For precautions during mounting, installation, adjustment, use and maintenance, refer to the CKD Components Product Site (<https://www.ckd.co.jp/kiki/en/>) → "Model No. → [Instruction Manual](#)

Main Line Components

Refrigeration Dryers

Desiccant Dryers

High Polymer Membrane Dryers

Main Line Filters

Drain discharger, etc.

Ending

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