



Pneumatic equipment

To Use This Product Safely

Be sure to read this before use.
For general pneumatic components precautions, see Intro 27 for details.

Individual Precautions:Compact direct acting precision regulator RJB500 Series

Design / Selection

CAUTION

- Avoid using in locations with severe pressure pulsation and vibration.
- Contact us for applications with high frequency operation.
- Be sure to set an air filter of 5 μm or less on the primary side of the regulator.
- Use with a pressure difference between the primary side and secondary side of 0.1 to 0.7 MPa.
- Cannot be used as a shut-off valve (Primary pressure cannot be sealed even if the pressure adjustment knob is loosened).
- Even if the pressure difference between the primary side and secondary side is 0.7 MPa or less, pulsation of secondary pressure or oscillation noise may occur depending on the piping circuit and usage conditions. In such cases, lower the primary pressure. If pulsation or oscillation noise still does not subside, please contact us.
- ON/OFF operation using a directional control valve on the primary side of the regulator causes large changes in the set pressure, so it is recommended to install the directional control valve on the secondary side of the regulator.
- Be sure to install a safety device if output pressure exceeding the set pressure value of the regulator causes damage or malfunction of the secondary side device.
- Environmental conditions
Avoid using in the following environments.
 - When ambient temperature exceeds the range of 5 to 60°C.
 - Places where the unit will be exposed to dripping water and/ or cutting oil
 - Highly humid places where dew condenses due to temperature fluctuations.
 - Where salt air or splashing seawater contacts the product.
 - In atmospheres containing corrosive gases, liquids and chemicals.
 - Where the product is exposed to direct sunlight.
- Pressure management
 - Pressure higher than the primary pressure cannot be set.
 - The set pressure changes from the initial set point due to the Operating environment and conditions, as well as aging of part materials. Check the pressure periodically and reset if it has changed.

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

MEMO

Air Preparation Components

F.R.L.
Filter Regulator
Filter
Regulator
Lubricator
Drain Separator
Mechanical Pressure SW
Residual Pressure Exhaust Valve
Slow Start Valve
Antibacterial/ Bacteria Removing Filter
Ozone FR
Siloxane/ OzoneRemover
Flame Resistant FR
Oil-free Regulator
Medium Pressure FR
No copper/ PTFE/ Specification
Air Unit Equipment
Adapter Joiner
Pressure Gauge
Compact F.R.L.
Large F.R.L.
Precision Regulator
Clean FR
Electro- Pneumatic Regulator
Air Booster
Ending

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