



Pneumatic components (silencer)

Safety Precautions

Be sure to read this section before use.

Refer to Intro Page 63 for general precautions regarding pneumatic components and refer to "⚠ Safety precautions" for detailed precautions for individual series.

- F.R.L.
- F.R.
- F (Filtr)
- R (Reg)
- L (Lub)
- Drain Separ
- Mech Press SW
- Res press exh valve
- SlowStart
- Anti-bac/Bac-remove Filt
- Film Resist FR
- Oil-Prohr
- Med Press FR
- No Cu/PTFE FRL
- Outdrs FRL
- Adapter Joiner Press Gauge
- CompFRL
- LgFRL
- PrecsR
- VacF/R
- Clean FR
- ElecPneUR
- AirBoost
- Speed Ctrl
- Silncr**
- CheckV/other
- Fit/Tube
- Nozzle
- Air Unit
- PrecsCompn
- Electro Press SW
- ContactSW
- AirSens
- PresSW Cool
- Air Flo Sens/Ctrl
- WaterRiSens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- Gas generator
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending

Design/selection

⚠ CAUTION

■ Use the product in the range of conditions specified for the product. Consult with CKD when using the product for special applications.

● The exhaust port could become plugged if the silencer is clogged.
Design safely to prevent the system from malfunctioning.

● Use of the product exceeding the specifications range may result in insufficient performance, and its safety cannot be guaranteed.

● This product may not be usable in special applications and environments.
For example, use for applications requiring safety, including nuclear energy, railways, aircraft, vehicles, medical devices, devices in contact with beverages or foodstuffs, amusement devices, emergency cutoff circuits, press machines, brake circuits, or safety devices or applications.

■ Confirm before use that the product will withstand the working environment.

● Cannot be used in environments where its functions will be impeded.
Such environments include high temperatures, chemical atmospheres, where chemical liquids, vibration, moisture, water dripping, or gas is present; or where ozone is generated.

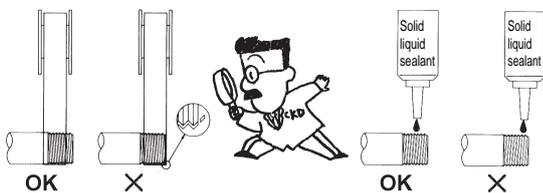
Mounting, installation and adjustment

Piping

⚠ CAUTION

■ When connecting pipes, wrap sealing tape in the opposite direction to the threading, from the inside position to within 2 mm from the pipe end.

● If sealing tape protrudes from the pipe threads, it could be cut when screwing the bolts in. This could cause the tape to enter the pneumatic components, causing failures.



■ Use appropriate torque to tighten the pipes when connecting them.

● The purpose is to prevent air leakage and damage to bolts.
● Refer to the corresponding section for the appropriate torque for the series.

■ Install the silencer so that exhaust air does not blow directly into eyes.

■ Do not apply lateral load to the body during or after installation.

■ Secure space around the silencer for installation and removal.

■ Handling push-in fittings and tubes

● Refer to fitting and tube warnings and cautions (pages 910 to 913) for handling push-in fittings and tubes.