



Pneumatic Components (Speed Controller)

To Use This Product Safely

Be sure to read this before use. For general pneumatic components precautions, see Intro 27 and detailed precautions for individual series " ⚠ Safety precautions".

MEMO

Design / Selection

⚠ Warning

- Do not constantly push down or apply a load onto the push ring for the push-in fitting.
 - Tubing may lose its holding capacity.
 - When transporting an assembled product, do not keep the push ring pressed down.

⚠ CAUTION

- Use within the product-specific specification range. Please consult us regarding specifications for use outside the specifications or for special applications.
 - Use of the product outside 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, nuclear power, railways, aviation, vehicles, medical equipment, equipment in direct contact with beverages or food, entertainment equipment, emergency shut-off circuits, press machines, brake circuits, safety measures, etc. where safety is required.

- Confirm that the product can withstand the operating environment before use.
 - Cannot be used in environments that cause functional impairment. For example, special environments with high temperature, chemical atmosphere, chemicals, vibration, humidity, water droplets, gas atmosphere, etc. Ozone-generating environments.
 - Do not use the product in a place where it could come in direct contact with cutting oil, coolant or spatter, etc.

- Avoid use in areas with large vibration or impact.

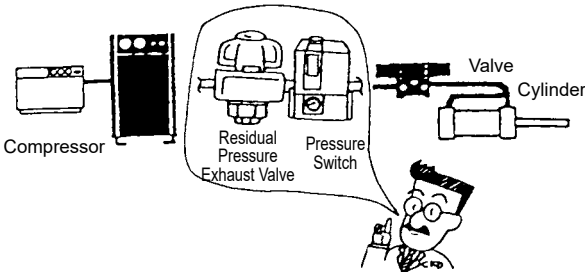
- Avoid using the product for applications that involve continuous rotation or oscillations.
 - Damage to the cauldron section could occur.

- Design pneumatic circuits understanding the characteristics of compressed air.
 - The same functions as mechanical, hydraulic and electrical methods cannot be anticipated if instantaneous stopping and holding are required during an emergency stop.
 - Due to the compressibility and expandability characteristics of air, phenomena such as ejection, jetting, and leakage can occur.

- This valve cannot be used as a stop valve that requires no leakage. A certain amount of leakage is allowed due to the product specifications.

- M3 and M5 threads are sealed with a gasket.

- Install a "pressure switch" and "residual pressure exhaust valve" on the device's compressed air supply side.
 - The pressure switch prevents operation if the set pressure is not reached. The residual pressure exhaust valve discharges the compressed air remaining in the pneumatic circuit and prevents accidents due to the operation of pneumatic equipment due to residual pressure.



- Confirm whether PTFE can be used. PTFE (Polytetrafluoroethylene resin) powder is used for the sealant. Please confirm if there are any problems in use.

- Specify the maintenance conditions in the device's instruction manual.
 - Depending on the usage conditions, operating environment, and maintenance, the product's functionality may significantly deteriorate, and safety may not be ensured. Proper maintenance allows the product to fully demonstrate its functions.

- Consult with CKD if ozone is generated in the supplied air. (We have Ozone Resistant Series available.)

- Rubber parts deteriorate and service life is shortened if ultra dry air is used.

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.