



Pneumatic Components

To Use This Product Safely

Be sure to read this before use.
For general pneumatic components precautions, Intro P. 15 for details.

Individual Precautions: VSK Series

Design / Selection

Caution

- Fittings By removing the stop pin, it is possible to detach the cartridge tube, timer cylinder and element for maintenance. After mounting, confirm that the stop pin is securely inserted.
- Do not remove the gripper on the body coupling part. Detachment/reattachment is possible a few times, but reduced connection strength may potentially cause main body damage.
- Unit Combination: For G, J, L-types, in manifold type vacuum ejectors where operating and non-operating ejectors coexist, exhaust air during vacuum generation may flow around to non-operating ejectors and be output from the vacuum port. This can cause problems, such as blowing away lightweight workpieces, so do not use under conditions where this could be an issue.

Precautions for Manifold Use

■Increased manifold stations may cause degraded performance or malfunction due to the following reasons.
Please inquire for details.

1. Degradation of vacuum performance due to insufficient supply air
Countermeasures: ①Check supply air capacity, etc.
②Keep piping as short as possible
③Increase fitting size
④If supplying from one side, supply from both sides of the manifold
2. Insufficient exhaust port capacity leading to degradation of vacuum performance, or exhaust air exiting from the vacuum ports of other stations.
→ The number of stations for which performance can be maintained in a manifold depends on nozzle size, vacuum performance, etc. Please inquire.
Cause: For silencer type (atmospheric release), insufficient silencer capacity increases exhaust resistance, degrading performance.
Countermeasures: ①If using one-sided silencer, use double-sided silencers.
②Use individual exhaust for each station. (Special Order)
③Avoid locations where the exhaust section faces a wall.
④Reduce the number of stations.
Cause: For centralized exhaust type, high piping resistance degrades performance.
Countermeasures: ①If exhausting from one side, use both sides.
②Keep piping length as short as possible.
③Increase exhaust fitting size.
④Use individual exhaust for each station. (Special Order)
⑤Reduce the number of stations.

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