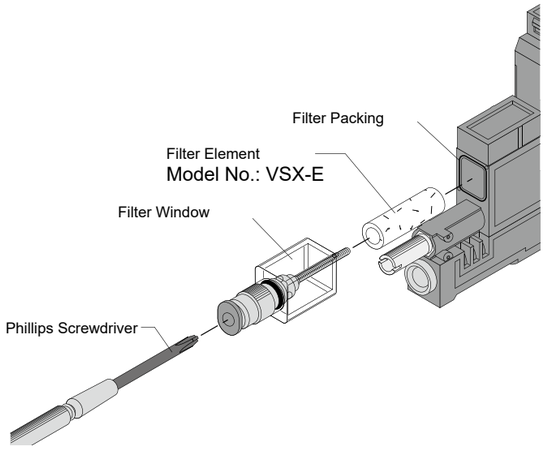
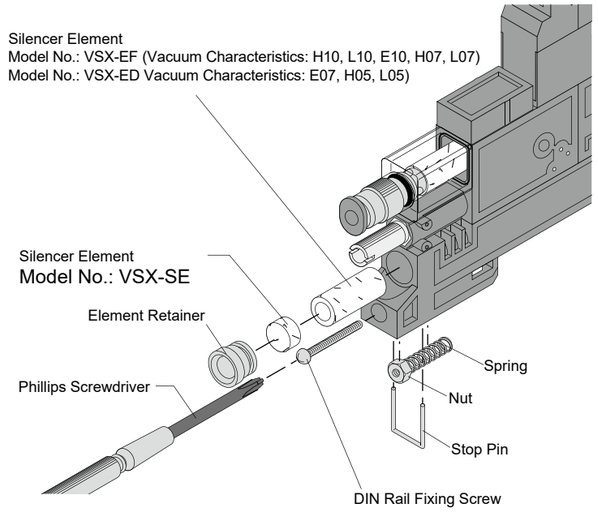
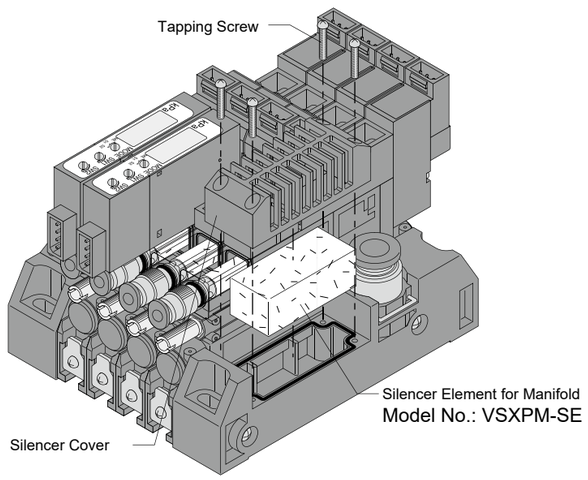
Maintenance Parts







Pneumatic Components

To Use This Product Safely

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

Individual Precautions: VSX Series

Design / Selection

Warning

■For self-holding type (VSX-☐☐D-...), when pilot air supply is stopped and then restarted (including initial use after shipment), the switching valve is in the neutral state. When restarting pilot air supply, be sure to send a signal to the pilot valve or perform switching reliably by manual operation.

■When using the DIN rail type, if there is a possibility of vibration or shock being applied to the product, for safety, use commercially available DIN rail fixing brackets on both sides and ensure secure mounting.

■When mounting the unit onto the manifold, insert the lock lever fully and securely fix it with the screw. Vibration may cause the lock lever to detach, potentially causing the unit to eject.

Caution

■When replacing the cartridge fitting of the Vacuum (V) port, confirm that the window packing has not fallen out, remove any adhering substances from the seal section, and securely tighten the screws with the specified tightening torque.

■When mounting the unit onto the manifold, always confirm that the O-rings of the Air Supply (Vacuum Supply) and Exhaust (Air Supply) ports have not fallen out or protruded.

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.

Vacuum Components
Ejector System
VSY
VSH
VSU
VSB
VSC
VSG
VSK/ VSKM
VSJ/ VSJM
VSN/ VSNM
VSX/ VSXM
VSQ
VSZM
Ending

Precautions for Manifold Use

■Increasing the number of manifold stations may result in unsatisfactory performance or cause trouble 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: ①Use individual exhaust for each station. (Special Order)
   ②Avoid locations where the exhaust section faces a wall.
   ③Reduce the number of stations.
   Cause: For centralized exhaust type, high piping resistance degrades performance.
   Countermeasures: ①Keep piping length as short as possible.
   ②Increase exhaust fitting size.
   ③Use individual exhaust for each station. (Special Order)
   ④Reduce the number of stations.

MEMO

Vacuum Components
Ejector System
VSY
VSH
VSU
VSB
VSC
VSG
VSK/ VSKM
VSJ/ VSJM
VSN/ VSNM
VSX/ VSXM
VSQ
VSZM
Ending