

Safety precautions

■ Design & selection

- This is an extremely fine tube, so the effective cross-sectional area is extremely small. With a standard cylinder may cause problems such as failure to obtain set speed, delayed response, or knocking.
The pipe length should be 1 m or less and combination with fine speed cylinder (catalog No. CC-N-360A) is recommended.
- Because the fiber tube is thin, the vacuum in the vacuum device increases and delays the response of the vacuum switch during vacuum burst when used with an ejector.

■ Mounting / Installation / Adjustment (piping)

- Use proper torque to tighten the pipes when connecting them.
Using an appropriate torque can prevent air leakage and screw damage. First tighten the screw by hand and then use a tool so that threads are not damaged.

Check that the tool's hexagon face and wrench are the correct size.

(Reference value)

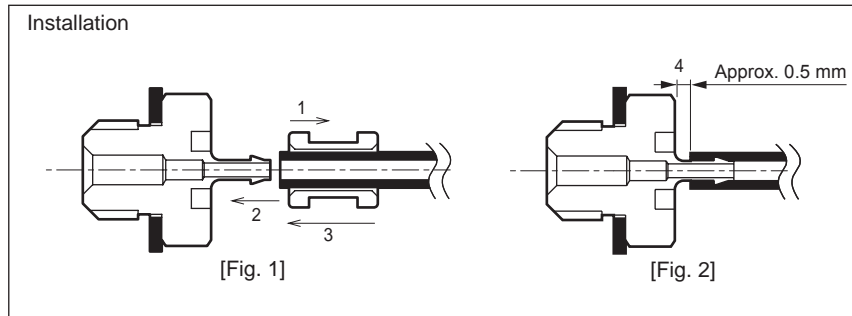
Port size	Tightening torque N·m
M3	0.3 to 0.5
M5	1 to 1.5
R 1/8	3 to 5

* The M3 screw could be damaged by excessive tightening torque.

- On devices requiring an antistatic measure, ground the part to which the fitting is connected.
Electrostatic discharge could build up in tubing if the part is not grounded.
- The elbow can be installed while being rotated in any direction, but cannot be rotated after assembly.
- R 1/8 does not have sealing material. Prepare sealing tape, etc., separately.

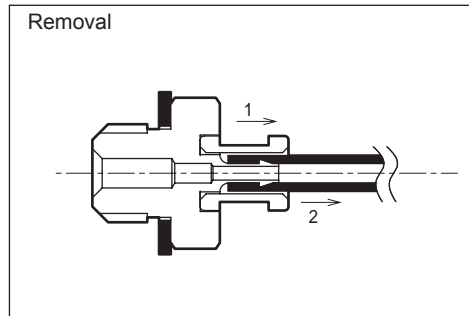
■ During use & maintenance

- Mounting and removal



- (1) Insert the collar into the tube. (Fig. 1)
- (2) Insert the tube to position 4. (Fig. 2)
- (3) Insert the collar into the fitting. (Fig. 1)
- (4) Check that the tube is not dislocated from the fitting.

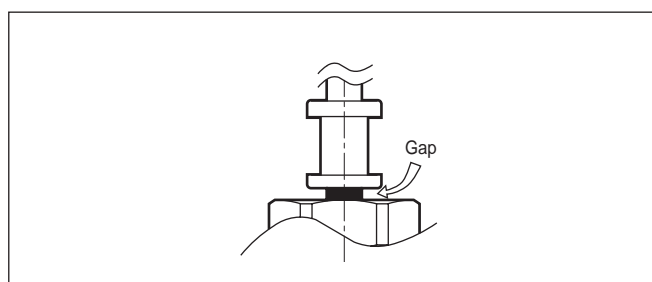
Note: Do not tilt the tube when inserting it into the far end of the fitting. The barbed fitting is thin, and could be damaged by a lateral load.



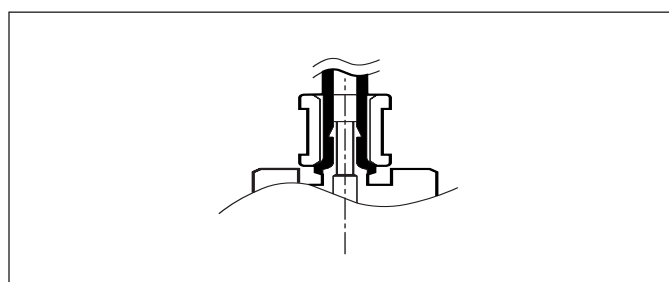
- (1) Pull the collar out with a pair of needle-nose pliers, etc.
- (2) Pull out the tube.
- (3) When reusing the tube, cut the end at 10 mm and over.

Note: If the tube is pulled forcefully while the collar is attached, the tube could be deformed, the flow obstructed, or the tube dislocated during use.

- Precautions after mounting



- (1) Check that there is no gap between the collar and fitting.
(The fitting could break or the tube could be dislocated.)



- (2) If the collar does not go in, the tube may ride up on it as shown above. Follow mounting and removal procedures and assemble the collar at a position of 0.5 mm from the tube.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E
MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge
Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending