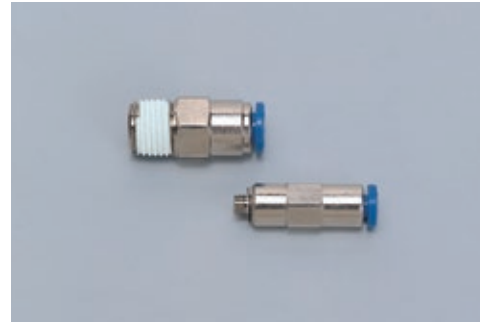


Valve Built-in Connector

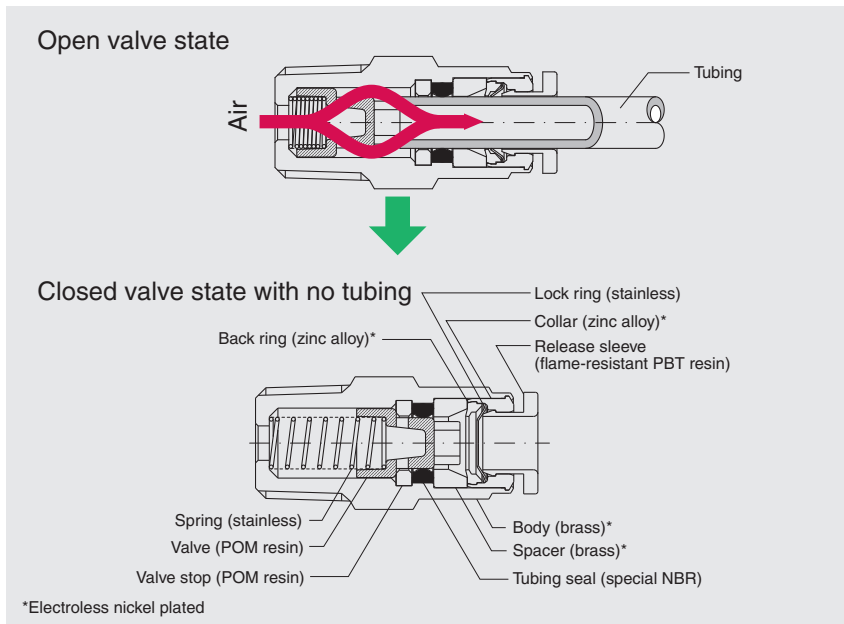
PushOne™ Type

Features

- Valve inside fitting is opened/closed by attaching/detaching tubing
The valve is automatically closed by detaching the tubing.
- PushOne connection of tubing
Jigs and tools are not required for connecting the tubes.
- Electroless nickel plated
Prevents degradation of surface and dissolution of copper ions into fluid.
- Sealing-processed R thread
Sealing tape is not required.



Cross-sectional structure diagram



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	+20°C~+60°C

Pressure condition

Maximum working pressure: 1.0MPa

Handling instructions

- ⚠ **Caution:** When the working conditions of tubes and fittings differ, use them under the lower specified conditions.
 - ⚠ **Caution:** Cannot be used at a negative pressure.
 - ⚠ **Caution:** Detach tubing when it is unpressurized.
 - ⚠ **Caution:** Do not bend the pipe sharply near the tubing insertion port (sleeve end) of the fitting. Keep the tubing straight for twice as long as the tubing diameter from the insertion port.
 - ⚠ **Caution:** Reducers, adapter elbows and Y-plugs of PushOne series cannot be used.
- 📖 See page 134 for the common handling instructions for control, switch and detachable series products.

Applicable tubing



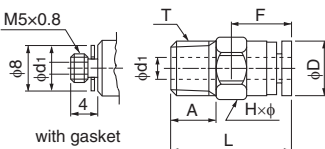
(*1) Combinatory use of PL, PN, TA or TP tubing and valve built-in connector mixes general and clean type performances.
When using them together in a clean environment, be aware of how this could lower the cleanliness level.

Connector

● Millimeter size type



Product number	Applicable tubing outer diameter (mm)	T Thread size (M,R)	L (mm)	A (mm)	F Tubing insertion length (mm)	H×φ Width across flat (mm)	D (mm)	d ₁ (mm)	Weight (g)	Effective sectional area (mm ²)
ECV4-M5	4	M5×0.8	32.6	4.0	16	10.0×11.0	10.0	2.0	11.0	2.0
ECV6-PT1/8	6	R1/8	40.4	8.0	17	14.0×15.4	13.0	4.0	26.0	6.5
ECV6-PT1/4	6	R1/4	31.4	11.0	17	14.0×15.4	13.0	4.0	21.0	6.5



Tubing

Clean tubing

Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/Chemifit

Bamboo-shoot fitting

Control switch/Detachable series

Jig/Tool/Accessory

Technical information

Reference