

PushOne® E Series

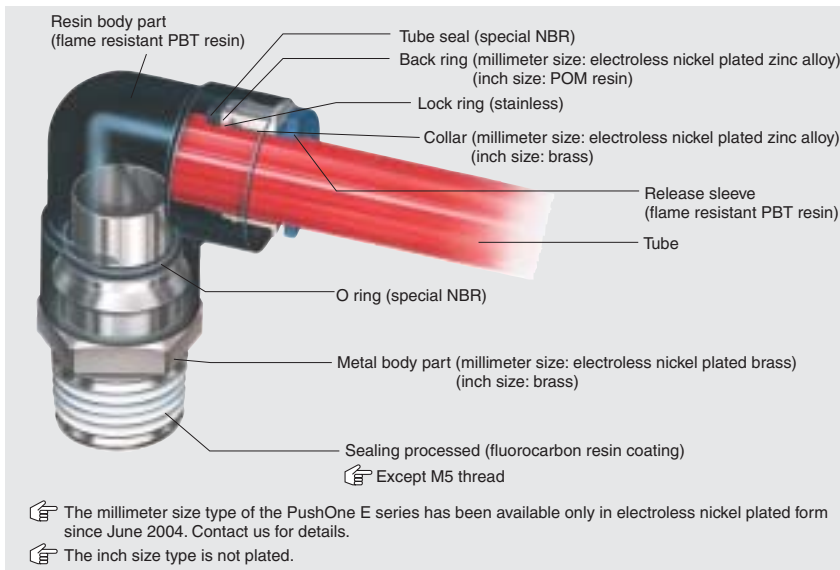
PushOne® fittings for general air pressure (flame resistant)

Features

- **PushOne® connection of tube**
The tubes can be connected without using a jig or tools
- **Electroless nickel plated**
Preventing degradation of surface and dissolution of copper ions in fluid
- **Flame-resistant resin (compliant V-0 of UL94 standard)**
Made of flame-resistant resin PBT. High self-extinction performance with compliant V-0 of UL94 standard. Usable under an environment with spatters.
- **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~+80°C
Water	0°C~+40°C

ⓘ See "Combination List of Tube and Fitting" on page 8.

Pressure condition

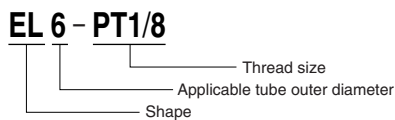
Maximum working pressure: 1.0MPa
Negative pressure performance: -99.975kPa

Handling instructions

- ⚠ **Caution** When the working conditions of tubes and fittings differ, use them under the lower specified conditions.
- ⚠ **Caution** When water is used as the operating fluid, confirm that there is no water leakage damage to equipment and instruments due to construction failure.
- ⚠ **Caution** When water is used as the operating fluid, do not allow it to freeze.
- ⚠ **Caution** Do not bend the pipe sharply near the tube insertion port of the fitting. Keep the tube straight for twice as long as the tube diameter from the insertion port.

ⓘ See page 34 for the common handling instructions for tube fittings.







Product number example



Distinction of millimeter/inch sizes



Applicable tube

Polyurethane tube	Nylon tube	Flame-resistant tube	Antistatic tube	Polyolefine resin tube	Fluorocarbon resin tube
					
U2...P.12 U1...P.13 U5...P.14	N2...P.15 N5...P.16 N1...P.17	FS...P.20 FW...P.21 FWU...P.22	UE...P.23	PL...P.26 PN...P.27	TA...P.28 TP...P.29

(*1) When the PushOne E series is used with a UE tube, choose a metal body type including a connector and a hexagonal socket to maintain conductivity between the tube and the fittings.
(*2) Combinatory use of PL, PN, TA or TP tube and PushOne E series mixes general and clean type performances. When using them in a clean environment, pay attention to the clean level that could be lowered.

Allied products and product introduction

 P.144	 P.151	 P.156	 P.159	 P.160	 P.169
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Reference

Instruction manualP.180
UL-94 standard flame testP.206
Effective cross-sectional areaP.178
Negative-pressure performance listP.179

Tube

Clean tube

Processed tube

PushOne fitting

QuickSeal fitting

Clean fitting/Chemifit

Bamboo-shoot fitting

Control switch/Detachable series

Jig/Tool/Accessory

Technical information

Reference

PushOne® E Series

Shape list



Tube

Clean tube

Processed tube

PushOne fitting

QuickSeal fitting

Clean fitting/
Chemifit

Bamboo-shoot fitting

Control switch/
Detachable series

Jig/Tool/
Accessory

Technical information

Reference