

PE Pneumatic Tee Fitting T Type Push-to-Connect Air Tube Connector

Equal three-way push-to-connect fitting for compressed-air branching and combining



Product Overview

The HOMIPNEU PE fitting is an equal T-type push-to-connect connector designed to split or combine compressed-air flow through three tube lines. Its symmetrical three-way configuration supports clean branch layouts in automation equipment, air distribution pipelines and industrial machinery. The one-touch connection design allows tubing to be installed without special tools and is suitable for PU and nylon pneumatic tubing.

Item	Specification	Item	Specification
Connection	Tube x Tube x Tube	Operating Fluid	Compressed air
Tube O.D.	4-16 mm	Proof Pressure	1.32 MPa
Structure	Equal T-type three-way union	Operating Pressure	0-0.9 MPa
Applicable Tube	PU tube, nylon tube	Temperature	0-60 C

Key Features

- Equal T-type three-way structure for splitting one air line into two branches or combining two lines into one.
- Push-to-connect ports support fast, tool-free tube installation and convenient maintenance.
- Compact body helps keep pneumatic piping organized in restricted machine spaces.
- Available for tube outside diameters from 4 mm to 16 mm.

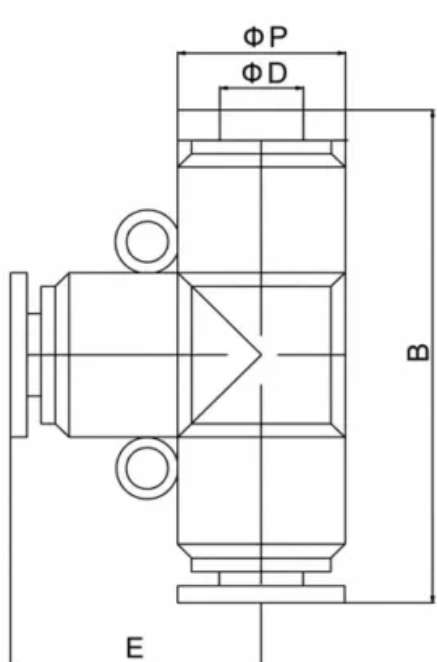
Typical Applications

- Pneumatic automation systems and compressed-air distribution circuits.
- Air compressor pipelines and industrial machinery.
- Robotics, packaging equipment and assembly systems.
- Branch connections requiring three equal tube sizes.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Product Type	Pneumatic fitting
Structure	Equal T-type three-way push-to-connect union
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Maximum Operating Pressure	0-0.9 MPa (0-9.2 kgf/cm ²)
Ambient and Fluid Temperature	0-60 C
Applicable Tubing	PU tube and nylon tube
Connection	Three equal push-to-connect tube ports

Dimension Drawing



Symbols: D = tube outside diameter; P = outside diameter of each tube port; B = overall length across two opposite ports; E = branch height.

Model Selection and Dimensions

Model	Tube O.D. D x 3	B	P x 3	E
PE-4	4	36	11	18
PE-6	6	40	13	20
PE-8	8	44	15	22
PE-10	10	52	18.5	26
PE-12	12	56	21	28
PE-14	14	62	23	31
PE-16	16	66	25.5	33

All dimensional values are in millimetres unless otherwise stated.

Product Function

The PE fitting can divide one compressed-air tube into two equal branch lines or combine two equal lines into one. Its three-port T configuration provides a simple, compact connection for balanced tube routing in pneumatic circuits.

Installation and Operating Guidance

- Confirm that the selected PE model matches the tube outside diameter used in the system.
- Cut tubing squarely and remove burrs, dust or surface damage before insertion.
- Push each tube fully into the release ring until it reaches the internal stop.
- Gently pull back on the tube after insertion to confirm secure retention.
- Pressurize the circuit gradually and check all three tube connections for leakage.
- Depressurize the pneumatic system before removing tubing or performing maintenance.
- To remove tubing, press the release ring evenly and withdraw the tube straight out.

Ordering and Customization

Specify the PE model, tube outside diameter, required quantity and preferred color when ordering. OEM and ODM options may include tube size, material, color, packaging and branding, subject to production confirmation.

Source note: Product images, technical specifications, model data and the dimension drawing are based on the HOMIPNEU PE product page. The information is provided for product-selection reference. Exact production dimensions, materials, colors and availability should be confirmed before ordering.

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