

PY Pneumatic Y Type Tee Fitting

Push-to-connect equal Y branch connector for compact compressed-air distribution



Product Overview

The HOMIPNEU PY fitting is an equal Y-type push-to-connect connector designed to split one compressed-air line into two branch directions. Its compact three-port structure supports clean tube routing in automation equipment, compressor pipelines and industrial machinery. The push-in connection allows fast installation without special tools and is suitable for PU and nylon tubing.

Item	Specification	Item	Specification
Connection	Three equal tube ports	Operating Fluid	Air
Tube O.D.	4-16 mm	Proof Pressure	1.32 MPa
Structure	Equal Y-type branch	Operating Pressure	0-0.9 MPa
Applicable Tube	PU tube and nylon tube	Temperature	0-60 deg C

Key Features

- Y-type three-way air distribution design.
- Push-to-connect ports for quick tube installation and removal.
- One inlet can be branched into two outlet directions.
- Compact equal-port structure for clean pneumatic layouts.

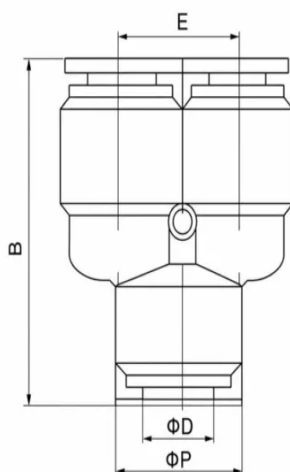
Typical Applications

- Pneumatic automation and control systems.
- Air compressor pipelines and branch circuits.
- Industrial machinery and robotics systems.
- Packaging, assembly and material-handling equipment.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Type	Pneumatic push-to-connect fitting
Structure	Equal Y-type three-way tube connector
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 deg C
Applicable Tubing	PU tube and nylon tube
Connection	Three push-to-connect tube ports

Dimension Drawing



Symbols: D = tube outside diameter; B = overall length; P = port diameter; E = center spacing.

Model Selection and Dimensions

Model	Tube O.D. D x 3	B	P x 3	E
PY-4	4	33.5	11	11
PY-6	6	36.5	13	13
PY-8	8	41.5	15	15
PY-10	10	45.5	18.5	18.5
PY-12	12	48.5	21	21
PY-14	14	54	23	23
PY-16	16	58	25.5	25.5

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm that the tube outside diameter matches the selected PY model.
- Cut each tube squarely and remove burrs, dust and surface damage.
- Push the tube fully into each release ring until it reaches the internal stop.
- Arrange the three tube lines without excessive bending or side load on the fitting.
- Pressurize the system gradually and inspect all three connections for leakage.
- For tube removal, depress the release ring evenly and withdraw the tube straight out.

Product Function

The PY fitting distributes compressed air from one tube line into two branch lines. Its equal-port Y geometry supports balanced, compact routing where a conventional T fitting would create a less direct tube path.

Ordering Information

Specify the PY model, tube outside diameter, preferred color and quantity. OEM and ODM options may include alternative materials, colors, packaging and branding, subject to production confirmation.

Source note: Product images, specification parameters, model data and the dimension drawing are based on the HOMIPNEU PY product page. The information is provided as a general technical reference. Final dimensions, materials, colors and production details should be confirmed before ordering.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com

Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>