

PX Pneumatic Y-Type Male Thread Fitting

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



Product Overview

The HOMIPNEU PX fitting is a Y-type push-to-connect branch connector with two tube ports and one male threaded port. Its angled flow path supports compact routing and smooth air distribution in pneumatic systems, while the push-in connection allows fast tube installation without special tools. The series is suitable for PU and nylon tubing and is available in tube outside diameters from 4 mm to 16 mm with multiple metric and pipe-thread options.

Item	Specification	Item	Specification
Connection	Tube × Tube × Male Thread	Operating Fluid	Air
Tube O.D.	4–16 mm	Proof Pressure	1.32 MPa
Thread Options	M5, R1/8, R1/4, R3/8, R1/2	Operating Pressure	0–0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0–60°C

Key Features

- Y-shaped branch geometry for splitting one air supply into two tube lines.
- Push-to-connect tube ports for quick installation and removal.
- Internal sealing structure designed for secure, leak-resistant connections.
- Compact configuration for restricted machinery and panel spaces.

Typical Applications

- Pneumatic automation and control circuits.
- Industrial machinery and packaging equipment.
- Robotics, assembly lines and fixture systems.
- Compressed-air distribution and branch piping.

Technical Specifications

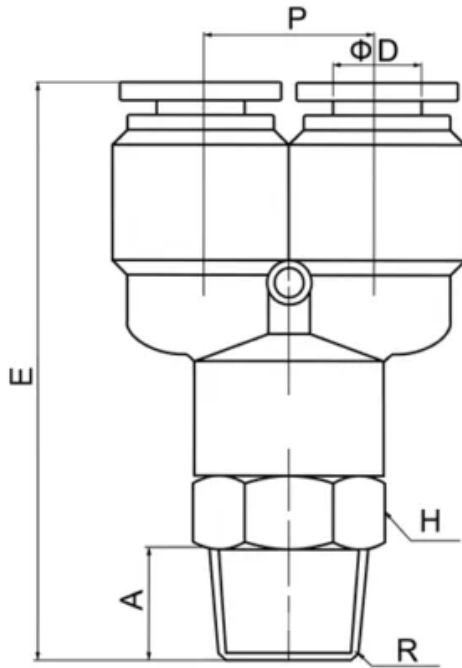
Parameter	Specification
Operating Fluid	Air
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Maximum Operating Pressure	0–0.9 MPa (0–9.2 kgf/cm ²)
Ambient and Fluid Temperature	0–60°C
Applicable Tubing	PU tube and nylon tube

Model Selection and Dimensions

Model	Tube O.D. D × 2	E	P	A	Thread R	H
PX4-M5	4	37	11	3.5	M5	10
PX4-01	4	40.5	11	7	R1/8	10
PX4-02	4	51.5	11	8	R1/4	14
PX6-M5	6	40	13	3.5	M5	12
PX6-01	6	43.5	13	7	R1/8	12
PX6-02	6	44.5	13	8	R1/4	14
PX6-03	6	45.5	13	9	R3/8	17
PX6-04	6	47	13	10	R1/2	21
PX8-01	8	47.5	15	7	R1/8	14
PX8-02	8	48.5	15	8	R1/4	14
PX8-03	8	49.5	15	9	R3/8	17
PX8-04	8	51	15	10	R1/2	21
PX10-01	10	51.5	18.5	7	R1/8	17
PX10-02	10	52.5	18.5	8	R1/4	17
PX10-03	10	53.5	18.5	9	R3/8	17
PX10-04	10	55	18.5	10	R1/2	21
PX12-01	12	54	21	7	R1/8	19
PX12-02	12	55	21	8	R1/4	19
PX12-03	12	56	21	9	R3/8	19
PX12-04	12	57.5	21	10	R1/2	21
PX14-02	14	60.5	23	8	R1/4	22
PX14-03	14	61.5	23	9	R3/8	22
PX14-04	14	62.5	23	10	R1/2	22
PX16-02	16	64.5	25.5	8	R1/4	24
PX16-03	16	65.5	25.5	9	R3/8	24
PX16-04	16	66.5	25.5	10	R1/2	24

All dimensional values are in millimetres unless otherwise stated.

Dimension Drawing



Symbols: D = tube O.D.; E = overall height; P = port spacing; A = threaded-end length; R = male thread; H = hex width.

Installation and Operating Guidance

- Confirm that tube outside diameter and thread size match the selected PX model.
- Cut tubing squarely and remove burrs, dust and surface damage before insertion.
- Push the tube fully into the release ring until it reaches the internal stop.
- Use suitable thread sealant where required and keep sealant out of the airflow passage.
- Tighten the male thread using the hexagonal section; do not load the plastic body directly.
- Pressurize gradually after installation and check every connection for leakage.
- For tube removal, depress the release ring evenly and withdraw the tube without side load.

Ordering Information

Specify the model number, tube outside diameter, male-thread type and quantity. OEM and ODM options may include alternative thread standards, tube sizes, sealing materials, packaging and branding, subject to production confirmation.

Source note: Product images and core product information are based on the HOMIPNEU product page. Technical specifications, model data and the dimension drawing are provided as a general technical reference only. Final dimensions, materials, thread standards 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>