

PW Reducing Y Fitting Push-to-Connect Pneumatic Connector

Push-to-connect reducing Y pneumatic connector for branching airflow between different tube diameters.



Product Overview

PW pneumatic fittings are Y type reducing push-to-connect air tube connectors designed for branching airflow while connecting different tube diameters in pneumatic systems. The unequal Y-shaped structure supports compact air distribution, smooth size transition, and fast tube insertion without special tools.

Key Features

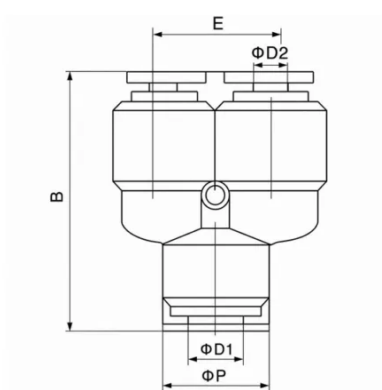
- Y type reducing structure for unequal tube diameter connections.
- Push-to-connect quick installation for PU tube and nylon tube.
- Airflow branching with integrated size conversion in one fitting.
- O-ring sealing structure for secure and leak-resistant performance.
- Suitable for compact pneumatic layouts and mixed tubing systems.

Quick Item	Description
Product Series	PW pneumatic reducing Y fitting
Connection Type	Push-to-connect / push-in air tube connection
Main Function	Branch airflow and connect different tube outside diameters

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Type	Pneumatic Fittings
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Max. Operating Pressure	0-0.9 MPa (0-9.2 kgf/cm ²)
Ambient & Fluid Temperature	0-60°C
Applicable Tubing	PU Tube, Nylon Tube

Dimensions



Model Selection and Dimensions

Model	ØD1	ØD2 × 2	B	ØP × 3	E
PW6-4	6	4	36	13	13
PW8-4	8	4	40	15	15
PW8-6	8	6	40.5	15	15
PW10-6	10	6	44	18.5	18.5
PW10-8	10	8	44.5	18.5	18.5
PW12-8	12	8	47	21	21
PW12-10	12	10	47.5	21	21
PW14-10	14	10	53	23.5	23.5
PW14-12	14	12	53	25.5	25.5
PW16-12	16	12	56.5	25.5	25.5
PW16-14	16	14	57	25.5	25.5

Product Function

PW fittings split airflow into two angled directions while connecting different tube sizes. Compared with equal Y fittings, the PW reducing Y design combines airflow branching and size adaptation in one compact connector.

Product Structure & Size Range	Details
Tube Size Range	4 mm to 16 mm tube outside diameter combinations.
Branch Structure	Unequal Y type three-way angled branch connection.
Representative Models	PW6-4, PW8-6, PW10-8, PW12-10, PW14-12, PW16-14.
Sealing Area	Push-in collet and O-ring sealing at each tube port.

Installation and Operating Guidance

- Cut tubing squarely and remove burrs before insertion.
- Push the tube fully into the fitting until it reaches the internal stop.
- Pull gently after insertion to confirm secure locking.
- Press the release ring evenly when removing tubing.
- Use within the specified pressure and temperature range.

Color Options



Blue Release Ring



Black Release Ring



White Body Option

Applications

- Pneumatic automation systems and machine air circuits.
- Air compressor pipelines and branch air distribution.
- Industrial machinery requiring mixed tube sizes.
- Compact layouts where angled branching and size reduction are needed.

Why Choose HOMIPNEU

- Professional pneumatic fitting manufacturer with a full PW reducer size range.
- OEM and ODM support for tube size combinations, material options, sealing structure, and branding requirements.
- Stable quality control for compressed air and automation applications.
- Global B2B supply support for distributors, OEMs, and industrial users.

FAQ

Question	Answer
What is a PW pneumatic fitting?	A reducing Y type push-to-connect fitting used to connect different tube sizes while branching airflow.
What is the difference between PY and PW fittings?	PY is an equal Y fitting; PW is a reducing Y fitting with unequal tube sizes.
What tubing is compatible with PW fittings?	PW fittings are suitable for PU tube and nylon tube.
Can PW fittings be customized?	Yes. OEM/ODM customization is available for size combinations, material, sealing structure, and branding.

OEM & ODM Support

HOMIPNEU supports customization for reducing Y fitting size combinations, material selection, color options, packaging, and private label branding. Contact us for project-based pneumatic connector supply and technical support.

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>