

PZA Pneumatic Cross Fitting 4-Way Push-In Air Connector

Four-way push-to-connect connector for compact compressed-air distribution



Product Overview

The HOMIPNEU PZA fitting is a cross type four-way push-to-connect air tube connector designed to distribute compressed air in multiple directions from one compact junction. Its equal four-port structure simplifies complex piping layouts, while the push-in connection enables fast tube installation without special tools. The series is suitable for PU and nylon tubing and is available for 4 mm to 12 mm tube outside diameters.

Item	Specification	Item	Specification
Connection	Four equal push-in tube ports	Operating Fluid	Air
Tube O.D.	4-12 mm	Proof Pressure	1.32 MPa
Structure	Cross / four-way connector	Operating Pressure	0-0.9 MPa
Applicable Tube	PU tube, nylon tube	Temperature	0-60°C

Key Features

- Cross type four-way air distribution design.
- Push-to-connect ports for quick, tool-free tube installation.
- Equal branch structure for multi-direction airflow routing.
- Compact body for clean and efficient pneumatic piping layouts.

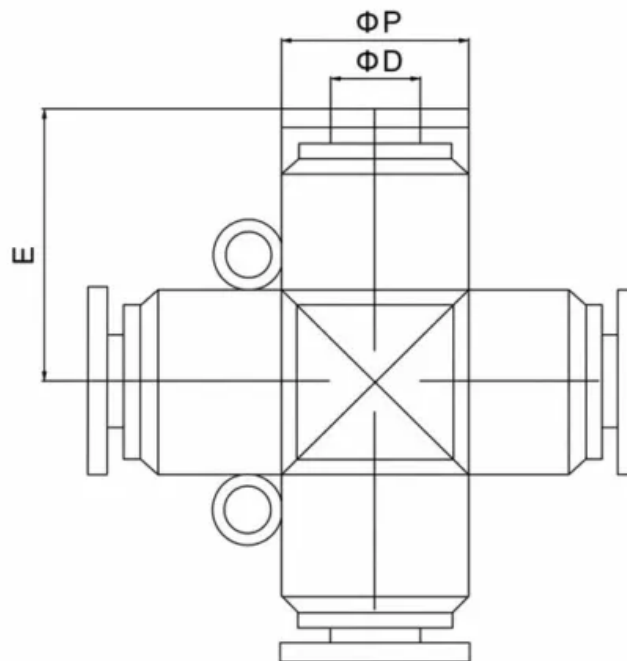
Typical Applications

- Pneumatic automation and compressed-air distribution systems.
- Air compressor pipelines and industrial machinery.
- Robotics, packaging and assembly equipment.
- Circuits requiring four-direction tube connection from one junction.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Type	Pneumatic fitting
Structure	Cross type four-way equal 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°C
Applicable Tubing	PU tube and nylon tube
Connection	Four push-to-connect tube ports

Dimension Drawing



Symbols: D = tube outside diameter; E = overall half-span from the fitting centerline; P = outside diameter of the tube-port body.

Model Selection and Dimensions

Model	Tube O.D. $\Phi D \times 4$	E	$\Phi P \times 4$
PZA-4	4	18	11
PZA-6	6	20	13
PZA-8	8	22	15
PZA-10	10	26	18.5
PZA-12	12	28	21

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm the tube outside diameter matches the selected PZA model.
- Cut each tube squarely and remove burrs, dust or surface damage before insertion.
- Push every tube fully into the release ring until it reaches the internal stop.
- Avoid excessive side load or bending stress close to the fitting body.
- Pressurize gradually after installation and inspect all four connections for leakage.
- To remove tubing, depress the release ring evenly and withdraw the tube straight out.

Product Function

PZA fittings connect four pneumatic tube directions in one equal cross structure. Compared with a PU straight union or a PE three-way tee, the PZA series provides a four-way connection point for multi-direction airflow distribution in compact pneumatic circuits.

Ordering Information

Specify the PZA model, tube outside diameter, preferred color and quantity. OEM and ODM options for materials, colors, packaging and branding are available subject to production confirmation.

Source note: Product images, core specifications, model data and the dimension drawing are based on the HOMIPNEU PZA 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

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