

PK Pneumatic Five Way Fitting Push-to-Connect Air Tube Distributor

Compact five-port push-to-connect distributor for multi-branch compressed-air routing



Product Overview

The HOMIPNEU PK fitting is a five-way push-to-connect air tube distributor designed for multi-branch airflow distribution in pneumatic systems. Its five-port structure helps organize complex piping layouts and distribute compressed air to several lines from one compact connector. The push-to-connect design enables fast tube installation without tools and is suitable for PU and nylon tubing. Tube outside diameters from 4 mm to 12 mm are available for automation, machinery and air-distribution applications.

Item	Specification	Item	Specification
Structure	Five-way branch distributor	Operating Fluid	Air
Tube O.D.	4-12 mm	Proof Pressure	1.32 MPa
Connection	Five push-to-connect ports	Operating Pressure	0-0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0-60 deg C

Key Features

- Five-way multi-branch design distributes one air source to several pneumatic lines.
- Push-to-connect ports support fast installation without special tools.
- Compact structure helps simplify complex piping layouts and reduce separate connectors.
- Internal sealing design supports reliable compressed-air connections.

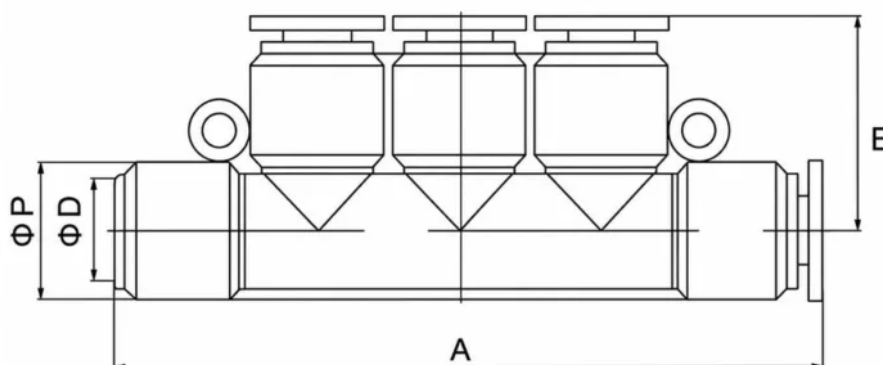
Typical Applications

- Pneumatic automation systems and air distribution manifolds.
- Industrial machinery, robotics and assembly equipment.
- Packaging systems requiring compact multi-line air routing.
- Compressed-air circuits with multiple branch connections.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Type	Five-way pneumatic push-to-connect fitting
Function	Multi-branch airflow distribution
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	Five push-to-connect tube ports

Dimension Drawing



Symbols: D = tube O.D.; P = port diameter; A = overall length; E = overall height.

Model Selection and Dimensions

Model	Tube O.D. D x 5	A	P x 5	E
PK-4	4	58	11	17.5
PK-6	6	66	13	19.5
PK-8	8	75	15	22.5
PK-10	10	87	18.5	24.5
PK-12	12	99.5	21	27.5

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm that the tube outside diameter matches the selected PK model.
- Cut each tube squarely and remove burrs, dust and surface damage before insertion.
- Push every tube fully into its port until it reaches the internal stop.
- Route the five branch lines without sharp bends or side loads at the release rings.
- Pressurize the system gradually after installation and inspect all ports for leakage.
- For tube removal, depress the release ring evenly and withdraw the tube straight out.

Ordering Information

Specify the PK model, tube outside diameter, quantity and any required color or branding options. OEM and ODM support may include alternative materials, colors, packaging and private-label marking, subject to production confirmation.

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

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