

PKG Five-Way Reducer Push-to-Connect Pneumatic Fitting

Compact five-way reducing connector for multi-branch compressed-air distribution



Product Overview

The HOMIPNEU PKG series is a five-way reducing push-to-connect pneumatic fitting designed to distribute compressed air through multiple tube branches while connecting two different tube sizes. Its compact structure simplifies pneumatic layouts, reduces the number of separate connectors required and supports efficient mixed-diameter tube routing. Push-in tube ports provide quick installation and convenient maintenance for industrial automation systems.

Item	Specification	Item	Specification
Configuration	Five-way reducer	Operating Fluid	Air
Tube Sizes	D1: 6-12 mm / D2: 4-10 mm	Working Pressure	0-1.0 MPa
Connection	Push-to-connect	Temperature	0-60°C
Applicable Tube	PU / nylon tube	Models	PKG6-4 to PKG12-10

Key Features

- Five-way multi-branch design distributes one air supply into multiple pneumatic lines.
- Reducer configuration connects different tube outside diameters in one fitting.
- Push-to-connect ports allow fast tube installation and removal without special tools.
- Compact construction helps reduce connector count and save piping space.

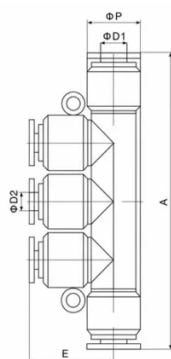
Typical Applications

- Pneumatic control systems and multi-branch air distribution circuits.
- Industrial automation, packaging machinery and assembly equipment.
- Compact machinery requiring mixed-diameter tube routing.
- Panel, manifold and equipment air-line distribution layouts.

Technical Specifications

Parameter	Specification
Product Type	Pneumatic fitting
Structure	Five-way reducer
Connection	Tube-to-tube push-to-connect
Branch Type	Five-way air distribution
Installation	Push-to-connect
Material	Engineering plastic / metal retaining components
Operating Fluid	Air
Working Pressure	0-1.0 MPa
Temperature Range	0-60°C
Applicable Tubing	PU tube / nylon tube

Dimension Drawing



Symbols: D1 = main tube O.D.; D2 = branch tube O.D.; A = overall length; E = branch projection; P = body/port diameter.

Model Selection and Dimensions

Model	ØD1 × 2	ØD2 × 3	A	E	ØP × 5
PKG6-4	6	4	66	19	13
PKG8-4	8	4	75	21	15
PKG8-6	8	6	75	21.5	15
PKG10-6	10	6	87	25	18.5
PKG10-8	10	8	87	25	18.5
PKG12-8	12	8	99.5	26.5	21
PKG12-10	12	10	99.5	27.5	21

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm that D1 and D2 tube outside diameters match the selected PKG model.
- Cut each tube squarely and remove burrs, dust or surface damage before insertion.
- Push the tube fully into the release ring until it reaches the internal stop.
- Route connected tubes without excessive bending, side load or tension on the fitting body.
- Pressurize the system gradually and check every connection for leakage.
- To remove a tube, depress the release ring evenly and withdraw the tube straight out.

Product Function

PKG fittings combine multi-branch air distribution with tube-size reduction. One fitting can connect two main-line tubes and three smaller branch tubes, helping simplify pneumatic circuits and improve space utilization in compact equipment.

Ordering Information

Specify the complete PKG model, D1 tube outside diameter, D2 tube outside diameter and required quantity. OEM and ODM support is available for tube-size combinations, material options, packaging and branding, subject to production confirmation.

Source note: Product images, technical specifications and model dimensions are based on the HOMIPNEU PKG product page. Final materials, tolerances and production details should be confirmed before ordering.

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