

BUC Inline Air Shut-Off Valve Pneumatic Hand Valve

Push-to-connect manual inline valve for direct airflow ON/OFF control



Product Overview

The HOMIPNEU BUC pneumatic hand valve is a push-to-connect inline manual air shut-off valve designed for controlling airflow directly within pneumatic tubing systems. With its compact in-line structure and simple lever operation, it allows users to quickly turn air flow ON or OFF without additional fittings, making it suitable for maintenance isolation and system control. The BUC series uses a ball valve structure for reliable sealing and long service life in compressed-air applications.

Item	Specification	Item	Specification
Connection	Tube × Tube inline valve	Operating Fluid	Air
Tube O.D.	4–12 mm	Proof Pressure	1.32 MPa
Valve Control	Manual lever ON/OFF	Operating Pressure	0–0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0–60°C

Key Features

- Inline air shut-off valve design for direct tube-line control.
- Push-to-connect ends for quick installation and removal.
- Manual lever operation for simple ON/OFF switching.
- Ball valve structure for reliable sealing and long service life.

Typical Applications

- Pneumatic automation systems and control circuits.
- Air compressor pipelines and branch control points.
- Industrial machinery and maintenance isolation lines.
- Air supply control circuits requiring fast manual shut-off.

Technical Specifications

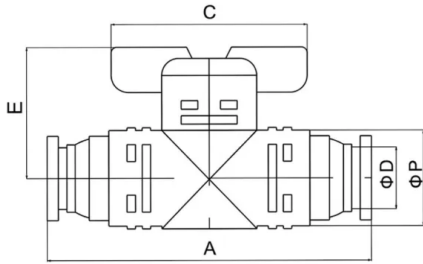
Parameter	Specification
Operating Fluid	Air
Valve Type	Inline manual air shut-off valve
Structure	Ball valve structure
Proof Pressure	1.32 MPa (13.5 kgf/cm ²)
Maximum Operating Pressure	0–0.9 MPa (0–9.2 kgf/cm ²)
Ambient and Fluid Temperature	0–60°C
Applicable Tubing	PU tube and nylon tube
Connection	Push-to-connect tube connection on both sides

Model Selection and Dimensions

Model	A	E	C	ØD × 2	ØP × 2
BUC-4	55.5	23.5	35	4	18
BUC-6	57	23.5	35	6	18
BUC-8	57	23.5	35	8	18
BUC-10	69	27	42	10	24
BUC-12	70	27	42	12	24

All dimensional values are in millimetres unless otherwise stated.

Dimension Drawing



Symbols: A = overall length; E = overall height; C = lever width; D = tube O.D.; P = end diameter.

Installation and Operating Guidance

- Confirm the tube outside diameter matches the selected BUC model.
- Cut tubing squarely and remove burrs or damage before insertion.
- Push each tube fully into the fitting until it reaches the internal stop.
- Turn the lever to control airflow and confirm the ON/OFF direction before operation.
- Pressurize gradually after installation and inspect each connection for leakage.
- For tube removal, depress the release ring evenly and withdraw the tube straight out.

Ordering Information

Specify the model number, tube outside diameter and quantity when ordering. OEM and ODM options may include alternative colors, branding, packaging and sealing-component adjustments, 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 and production details should be confirmed before ordering.

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