

HVFF 2-Way Pneumatic Hand Valve Air Shut-Off Valve

Push-to-connect manual air shut-off valve with exhaust function



Product Overview

The HOMIPNEU HVFF pneumatic hand valve is a push-to-connect 2-way manual air shut-off valve designed for airflow control and pressure release in pneumatic systems. Unlike standard shut-off valves, the HVFF series features a venting function that releases residual air pressure when the valve is turned off. This improves system safety and maintenance efficiency. With its compact structure and quick push-in connection, it is widely used in industrial automation, air control systems and pneumatic pipelines.

Item	Specification	Item	Specification
Connection	Tube × Tube hand valve	Operating Fluid	Air
Tube O.D.	4–12 mm	Proof Pressure	1.32 MPa
Valve Control	Manual with exhaust function	Operating Pressure	0–0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0–60°C

Key Features

- 2-way manual air control valve with push-to-connect tubing ports.
- Built-in exhaust function to release residual air pressure when turned off.
- Compact body for convenient installation in pneumatic pipelines and equipment.
- Suitable for PU and nylon tubing in compressed-air systems.

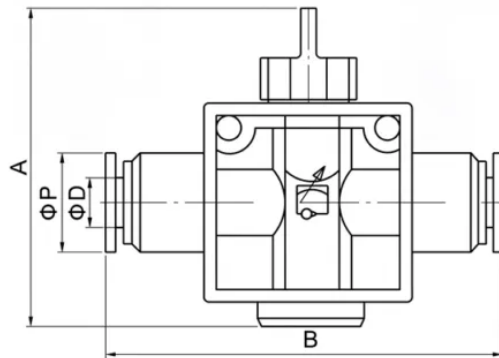
Typical Applications

- Pneumatic automation systems and air control circuits.
- Air compressor pipelines and branch shut-off points.
- Industrial machinery requiring safe maintenance isolation.
- Vacuum and air control circuits needing pressure release after shut-off.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Valve Type	2-way pneumatic hand valve
Function	Air shut-off with exhaust / pressure release
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

Dimension Drawing



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

Model Selection and Dimensions

Model	Tube O.D. D × 2	B	A	P × 2
HVFF-4	4	45.5	40	11
HVFF-6	6	46.5	40	13
HVFF-8	8	50	42.5	15
HVFF-10	10	60.5	42.5	18.5
HVFF-12	12	63.5	44.5	21

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm the tube outside diameter matches the selected HVFF model.
- Cut tubing squarely and remove burrs, dust or damage before insertion.
- Push each tube fully into the fitting until it reaches the internal stop.
- Check the valve lever direction so the shut-off and exhaust positions are clear before operation.
- Pressurize gradually after installation and inspect the connections 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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