

HVSF Pneumatic Thread Hand Valve Air Shut-Off Valve

Push-to-connect manual shut-off valve with male thread and pressure release function



Product Overview

The HOMIPNEU HVSF pneumatic hand valve is a manually operated air shut-off valve with a push-to-connect tube inlet and a male threaded outlet. It provides direct ON/OFF control of compressed-air supply and releases residual downstream pressure when switched OFF, supporting safer inspection and maintenance. The straight compact body is suitable for pneumatic equipment, machine air circuits and control lines where fast tube installation and reliable manual isolation are required.

Item	Specification	Item	Specification
Connection	Tube x Male Thread	Operating Fluid	Air
Tube O.D.	4-12 mm	Proof Pressure	1.32 MPa
Thread Options	M5, R1/8, R1/4, R3/8, R1/2	Operating Pressure	0-0.9 MPa
Applicable Tube	PU Tube, Nylon Tube	Temperature	0-60 C

Key Features

- Manual ON/OFF control for compressed-air supply lines.
- Built-in residual-pressure release function for safer maintenance.
- Push-to-connect tube port for quick installation and removal.
- Male threaded outlet for direct connection to pneumatic equipment.
- Compact straight-body layout with simple rotary handle operation.

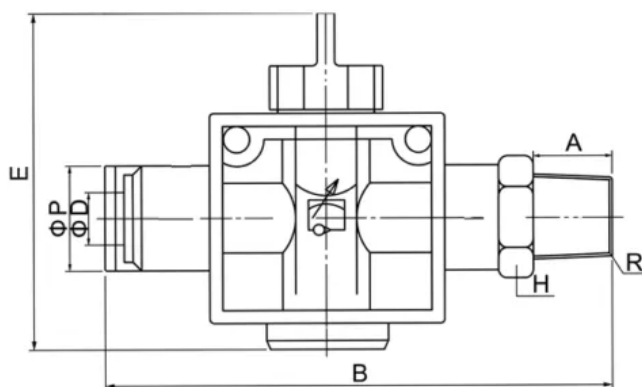
Typical Applications

- Pneumatic automation and machine air circuits.
- Air-source isolation and maintenance shut-off points.
- Industrial machinery, fixtures and production lines.
- Compressed-air piping requiring manual control and pressure release.

Technical Specifications

Parameter	Specification
Operating Fluid	Air
Valve Type	Manual pneumatic shut-off valve
Connection	Push-to-connect tube port x male thread
Function	Manual ON/OFF control with downstream 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
Tube O.D. Range	4 mm, 6 mm, 8 mm, 10 mm, 12 mm
Thread Options	M5, R1/8, R1/4, R3/8, R1/2

Dimension Drawing



Symbols: D = tube outside diameter; B = overall length; E = overall height; A = threaded-end length; H = hex width; R = male thread; P = port diameter.

Model Selection and Dimensions

Model	D	B	E	A	H	R	P
HVSF4-M5	4	49	40	3.5	10	M5	11
HVSF4-01	4	52.5	40	7	10	R1/8	11
HVSF4-02	4	53.5	40	8	14	R1/4	11
HVSF6-M5	6	50	40	3.5	12	M5	13
HVSF6-01	6	53.5	40	7	12	R1/8	13
HVSF6-02	6	54.5	40	8	14	R1/4	13
HVSF6-03	6	55.5	40	9	17	R3/8	13
HVSF6-04	6	57	40	10	21	R1/2	13
HVSF8-01	8	56.5	42.5	7	14	R1/8	15
HVSF8-02	8	57.5	42.5	8	14	R1/4	15
HVSF8-03	8	58.5	42.5	9	17	R3/8	15
HVSF8-04	8	60	42.5	10	21	R1/2	15
HVSF10-01	10	66.5	42.5	7	17	R1/8	18.5
HVSF10-02	10	67.5	42.5	8	17	R1/4	18.5
HVSF10-03	10	68.5	42.5	9	17	R3/8	18.5
HVSF10-04	10	70	42.5	10	21	R1/2	18.5
HVSF12-01	12	69.5	44.5	7	19	R1/8	21
HVSF12-02	12	70.5	44.5	8	19	R1/4	21
HVSF12-03	12	71.5	44.5	9	19	R3/8	21
HVSF12-04	12	73	44.5	10	21	R1/2	21

All dimensional values are in millimetres unless otherwise stated.

Installation and Operating Guidance

- Confirm that the tube outside diameter and male-thread size match the selected HVSF model.
- Cut tubing squarely and remove burrs, dust and surface damage before insertion.
- Push the tube fully into the release ring until it reaches the internal stop.
- Apply suitable thread sealant when required, keeping sealant out of the airflow passage.
- Tighten the threaded connection using the hexagonal metal section; do not load the plastic body directly.
- Confirm the handle positions for supply ON and shut-off/exhaust before pressurizing the system.
- Pressurize gradually and inspect the tube and threaded connections for leakage.
- Before maintenance, switch the valve OFF and verify that downstream residual pressure has been released.

Ordering Information

Specify the HVSF model, tube outside diameter, male-thread size and required quantity. OEM and ODM services are available for thread type, tube size, valve structure, packaging and branding, subject to production confirmation.

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

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