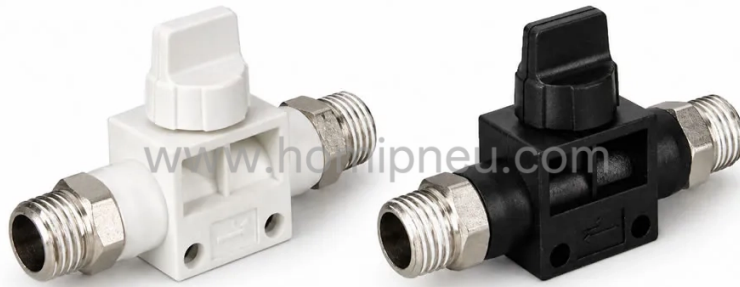


HVSS Pneumatic Hand Valve Push-to-Connect Fitting

Manual inline airflow shut-off and isolation valve for pneumatic circuits



Product Overview

The HOMIPNEU HVSS pneumatic hand valve provides direct manual control of compressed-air flow in inline pneumatic circuits. A rotary handle switches the valve between ON and OFF positions, allowing operators to isolate equipment during maintenance, testing or emergency shutdown. The compact body and threaded end connections support simple installation in industrial air systems.

Key Features

- Manual rotary handle provides clear airflow ON/OFF control.
- Inline valve structure supports direct installation in pneumatic air lines.
- Available in 2-way and 3-way configurations for shut-off or residual-pressure release.
- Threaded metal end connections provide secure equipment and pipeline connection.
- O-ring and internal sealing components support leak-resistant operation.
- Compact design is suitable for control panels, machinery and maintenance circuits.

Applications

- Manual air-supply shut-off and equipment isolation.
- Pneumatic automation systems and industrial machinery.
- Testing, maintenance and commissioning circuits.
- Compact installations requiring direct local airflow control.

Product Function

In the ON position, compressed air passes through the valve. In the OFF position, airflow is blocked; selected 3-way variants can also discharge residual downstream pressure to improve maintenance safety.

Technical Specifications

Parameter	Specification
Product Type	Pneumatic hand valve
Structure	Inline manual valve
Connection	Threaded inline connection / tube-line application
Control Type	Manual rotary handle
Valve Type	2/2-way or 3/2-way
Material	Nickel-plated brass connection components
Seal Type	O-ring / internal seal
Operating Fluid	Air
Working Pressure	0-1.0 MPa
Negative Pressure	-100 kPa
Temperature Range	0-60 deg C
Applicable Tubing	PU / nylon tube systems

Product Structure and Size Range

- Models: HVSS01, HVSS02, HVSS03 and HVSS04.
- Thread combinations range from R1/8 to R1/2.
- Inline straight body with a top-mounted manual rotary handle.
- Model options support matching or reducing inlet and outlet thread sizes.

Installation and Operating Guidance

- Depressurize the system before installing or removing the valve.
- Use suitable thread sealing practice without allowing sealant to enter the airflow passage.
- Tighten the threaded ends using the metal hex sections and avoid excessive torque on the body.
- Operate the handle fully to the ON or OFF position and pressurize the circuit gradually.
- Check both threaded connections and the valve body for leakage before normal service.

Operating Principle

Turning the handle aligns or closes the internal airflow passage. In 2-way versions the OFF position stops flow; in applicable 3-way versions it can also connect the downstream side to exhaust so trapped pressure is released.

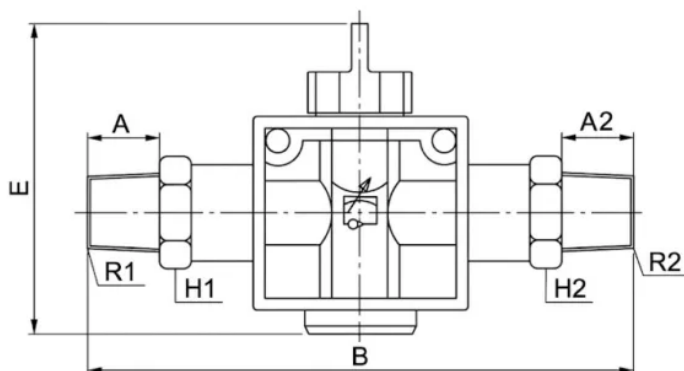
Maintenance and Safety Notes

- Do not exceed the specified pressure or temperature limits.
- Keep the handle and valve body free from contamination and mechanical impact.
- Replace the valve if the body, handle, thread or sealing area is damaged.

Ordering Information

Specify the complete HVSS model, inlet and outlet thread sizes, valve configuration, required quantity and preferred body color. OEM and ODM services are available for configuration, packaging and branding, subject to production confirmation. Confirm special thread standards before purchase.

Dimension Drawing



Model Selection and Dimensions

Model	E	R1	A	H1	B	R2	A2	H2
HVSS01-01	40	R1/8	7	12	60	R1/8	7	12
HVSS02-01	40	R1/4	8	14	61	R1/8	7	12
HVSS02-02	42.5	R1/4	8	14	66	R1/4	8	14
HVSS03-02	42.5	R3/8	9	17	76	R1/4	8	17
HVSS03-03	42.5	R3/8	9	17	77	R3/8	9	17
HVSS04-03	42.5	R1/2	10	21	78.5	R3/8	9	17
HVSS04-04	44.5	R1/2	10	21	82.5	R1/2	10	21

All dimensional values are in millimetres. R1 and R2 identify the inlet and outlet thread sizes.

Selection Notes

- Select the complete model according to the required inlet and outlet thread combination.
- Confirm the required 2-way or 3-way valve function before ordering.
- Verify pressure, temperature and installation space against the application requirements.

Contact Information

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