

PA Pneumatic Inline Air Control Valve

Compact push-to-connect pipeline valve for direct airflow adjustment and shut-off in pneumatic tubing systems.



Product Overview

The PA pneumatic inline valve installs directly between two sections of air tubing. Its manual adjustment screw allows operators to regulate or shut off compressed-air flow without adding separate threaded valves or additional fittings. The compact body helps simplify piping layouts in automation equipment and industrial machinery.

Key Features
Inline push-to-connect design for quick installation
Manual airflow adjustment and shut-off control
Compact body for space-saving pneumatic circuits
Suitable for PU and nylon pneumatic tubing
Available for 4, 6, 8, 10 and 12 mm tube sizes

Technical Specifications

Parameter	Specification
Operating fluid	Compressed air
Valve type	Inline manual air control / shut-off valve
Proof pressure	1.32 MPa (13.5 kgf/cm ²)
Operating pressure range	0 to 0.9 MPa (0 to 9.2 kgf/cm ²)
Ambient and fluid temperature	0 to 60°C
Applicable tubing	PU tube and nylon tube
Connection	Push-to-connect tube connection on both sides

Model and Dimension Data

Model	Tube O.D. D (mm)	E (mm)	B (mm)	P (mm)
PA-4	4	39.5	29	11
PA-6	6	46	39	13.5
PA-8	8	50	39	16.5
PA-10	10	60	45	19.5
PA-12	12	63	47.5	21.5

Applications

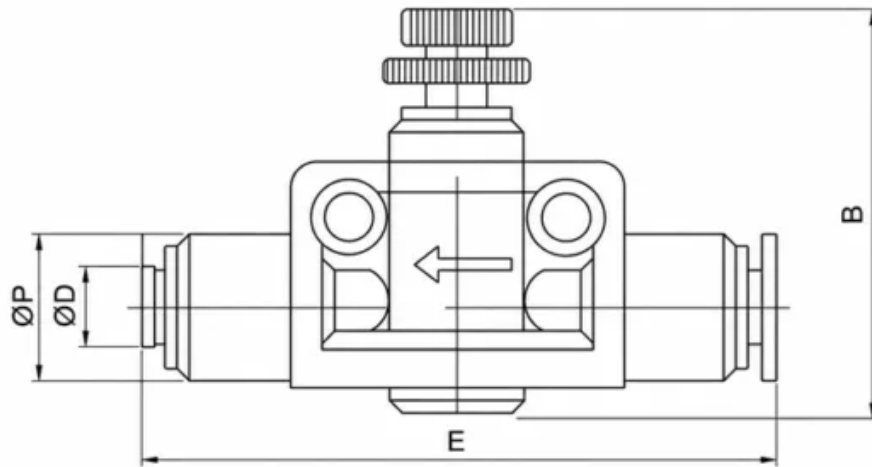
Pneumatic automation systems; air distribution pipelines; industrial machinery; robotics systems; packaging equipment; assembly equipment; and pneumatic circuits requiring local flow regulation or line isolation.

Installation Notes

- Confirm that the tube outside diameter matches the selected PA model.
- Cut tubing squarely and insert it fully into each push-to-connect port.
- Use clean, dry compressed air within the specified pressure and temperature range.
- Turn the adjustment screw gradually and verify downstream airflow before operation.
- Depressurize the system before removing tubing or servicing the valve.

Dimensions and Operating Guidance

The drawing below identifies the principal dimensional references used in the model table. All values are in millimetres.



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Source Note

Source note: Product images, specifications, model data and dimension drawing are based on the HOMIPNEU PA Pneumatic Inline Valve product page. Exact dimensions, materials, sealing details and production specifications should be confirmed before ordering.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.
Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China
Email: vivilian@homipneu.com | Phone / WhatsApp: +86 136 0580 6063
Website: <https://homipneu.com>