

Plastic Actuator Pneumatic Threaded Angle Seat Valve



Product Overview

The plastic actuator pneumatic threaded angle seat valve is designed for automated on-off control of air, water, steam, gases, and compatible neutral process fluids. Its angled valve body combines a female threaded pipeline connection with a compact pneumatic piston actuator for repeated switching in industrial equipment and process pipelines.

Available nominal sizes extend from DN8/DN10 to DN100 with 3/8-inch to 4-inch ports. BSPT, BSP, NPT, and customized thread options can be supplied. Final selection must confirm body and seal materials, control function, pilot pressure, operating pressure, medium, temperature, and flow direction.

Key Features

- Pneumatic 2/2-way on-off operation for automated process-fluid switching.
- Engineering plastic actuator housing provides a compact and lightweight operating unit.
- Female threaded sizes from 3/8 inch to 4 inches cover DN8/DN10 through DN100.
- BSPT, BSP, NPT, and customized thread standards support different pipeline systems.
- Angle seat flow path supports efficient flow with relatively low pressure loss.
- Conventional and anti-water-hammer installation arrangements are shown in the dimension drawing.

Technical Specifications

Parameter	Specification
Product Name	Plastic Actuator Pneumatic Threaded Angle Seat Valve
Valve Type	Pneumatically operated angle seat shut-off valve
Valve Function	2 ports, 2 positions
Operation Type	Pneumatic piston actuator
Actuator Material	Engineering plastic actuator housing
Valve Body	CF8M-marked metal body shown; confirm supplied material grade before ordering
Connection Type	Female threaded connection
Nominal Size Range	DN8/DN10 to DN100
Port Size Range	3/8 inch to 4 inches
Thread Standards	BSPT, BSP, NPT, and customized thread options
Pilot Connection	1/4 inch shown in the dimensional drawing
Control Function	Confirm normally closed, normally open, or double-acting configuration
Working Medium	Air, water, steam, gases, and compatible neutral fluids, subject to material and seal compatibility
Flow Direction	Conventional or anti-water-hammer installation according to the selected configuration
Typical Applications	Steam pipelines, water systems, compressed air, cleaning equipment, and process machinery

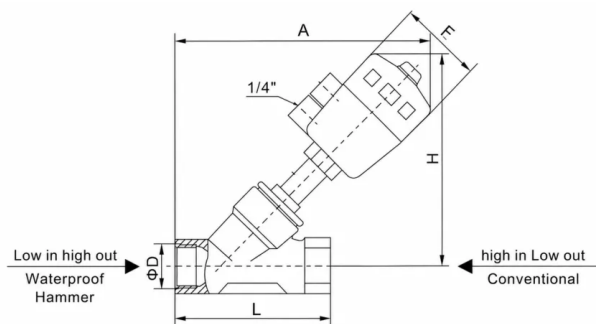
Applications

- Industrial steam and hot-water pipeline switching.
- Washing, cleaning, sterilization, and heat-exchange equipment.
- Compressed-air and compatible gas-control systems.
- Filling, packaging, textile, beverage, and general process machinery.
- Automated fluid-handling systems requiring repeated pneumatic shut-off control.

Selection Checks

Before ordering, confirm the DN size, port thread standard, valve-body material, seat-seal material, control function, pilot pressure, process medium, operating pressure, temperature, approved flow direction, installation arrangement, and required quantity.

Dimensions and Model Selection



Model	L	A	H	D	E	Conventional Dia.	Anti-Hammer Dia.	A*	H*
DN8/DN10	65	160	140	3/8"	64	Ø50	Ø50	160	140
DN15	80	175	145	1/2"	64	Ø50	Ø50	175	145
DN20	72	180	150	3/4"	64	Ø50	Ø50	180	150
DN25	88	185/210	160/180	1"	64/80	Ø50/Ø63	Ø63	210	180
DN32	105	215	185	1 1/4"	80	Ø63	Ø80	240	205
DN40	112	220	190	1 1/2"	80	Ø63	Ø80	245	210
DN50	130	235/250	200/220	2"	80/100	Ø63/Ø80	Ø100	300	270
DN65	185	285	250	2 1/2"	100	Ø80	Ø100	330	300
DN80	210	370	310	3"	126	Ø100	Ø125	410	350
DN100	235	420	395	4"	126	Ø100	Ø125	460	430

* A and H dimensions for the anti-water-hammer arrangement. All dimensions are in millimetres unless otherwise stated.

Installation Notes

- Confirm the selected control function and approved flow direction before installation.
- Use compatible thread sealant and avoid excessive tightening that could damage the threaded body.
- Supply clean, regulated pilot air through the 1/4-inch actuator connection.

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