

Plastic Actuator Pneumatic Quick-Clamp Angle Seat Valve



Product Overview

The plastic actuator pneumatic quick-clamp angle seat valve provides automated on-off control for air, water, steam, gases, and compatible process fluids. It combines a stainless steel angle-seat valve body, an engineering-plastic pneumatic actuator, and a sanitary-style clamp connection for convenient installation and maintenance.

The product family covers DN10 to DN80 with tube diameters from 12.7 mm to 89 mm. Before ordering, confirm the ferrule and clamp standard, body and seal materials, control function, pilot pressure, working medium, process pressure, temperature, and approved flow direction.

Key Features

- Pneumatic 2/2-way on-off operation for repeated process-fluid switching.
- Quick-clamp connection supports convenient installation, removal, inspection, and cleaning.
- Engineering-plastic actuator provides a compact and lightweight operating structure.
- Stainless steel angle-seat body supports industrial air, water, steam, and compatible-fluid service.
- DN10 to DN80 range covers tube diameters from approximately 12.7 mm to 89 mm.
- Conventional and water-hammer-reducing flow arrangements are identified in the dimension drawing.

Technical Specifications

Parameter	Specification
Product Name	Plastic Actuator Pneumatic Quick-Clamp Angle Seat Valve
Valve Type	Pneumatically operated angle seat shut-off valve
Valve Function	2 ports, 2 positions
Operation Type	Pneumatic piston actuator
Actuator Housing	Engineering plastic
Valve Body	Stainless steel; the displayed DN25 valve body is marked 316L
Connection Type	Quick-clamp connection
Nominal Size Range	DN10 to DN80
Tube Diameter Range	12.7 to 89 mm
Clamp Diameter Range	Approximately 25.4 to 106 mm, depending on size
Pilot Connection	1/4 inch shown in the dimensional drawing
Control Function	Normally closed, normally open, or double acting; confirm before ordering
Working Medium	Air, water, steam, gases, and compatible process fluids
Flow Direction	Conventional high-inlet/low-outlet or water-hammer-reducing low-inlet/high-outlet arrangement
Clamp Standard	Confirm ferrule diameter and connection standard before ordering
Typical Applications	Steam systems, water pipelines, cleaning equipment, filling machinery, and process automation

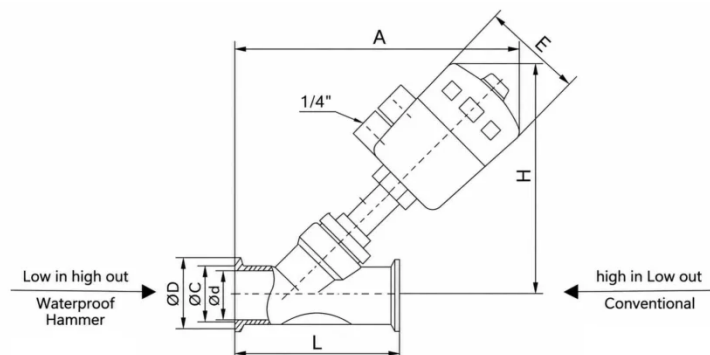
Applications

- Steam and hot-water pipeline switching after confirming materials and ratings.
- Industrial washing, cleaning, bottle-washing, and sterilization-support equipment.
- Filling, beverage, packaging, textile, and general process machinery.
- Compressed-air and compatible gas-control pipelines.
- Water-treatment systems, temperature-control equipment, and process skids.

Selection Checks

Confirm the DN size, tube diameter, ferrule and clamp standard, valve-body material, seat-seal material, control function, pilot pressure, process medium, operating pressure, temperature, approved flow direction, and required quantity. Quick-clamp connections can be customized to match customer requirements.

Dimensions and Model Selection



Model / Tube O.D.	L	d	C	D	A	H	E	Standard Actuator	Anti-Hammer Actuator
DN10 / Ø12.7	120	10	20	25.4	180	155	64	Ø50	Ø50
DN15 / Ø19	132	16	20	50.5	180	160	64	Ø50	Ø50
DN20 / Ø25	132	21	25	50.5	185	160	64	Ø50	Ø50
DN25 / Ø32	142	26	31	50.5	200/230	170/205	64/80	Ø50/Ø63	Ø63
DN32 / Ø38	152	33	39	50.5	240	210	80	Ø63	Ø80
DN40 / Ø45	182	41	46	64	250	215	80	Ø63	Ø80
DN40 / Ø51	182	46	52	64	250	215	80	Ø63	Ø80
DN50 / Ø57	202	50	55	64	260/280	220/230	80/100	Ø63/Ø80	Ø100
DN50 / Ø63	202	58	64	77.5	285	235	100	Ø80	Ø100
DN65 / Ø76	230	70	77	91	320	270	100	Ø80	Ø100
DN80 / Ø89	250	83	90	106	360	310	126	Ø100	Ø125

All dimensions are in millimetres. Quick-clamp ferrule dimensions and connection standards must be confirmed before ordering.

Installation Notes

- Match the ferrule, gasket, clamp, and pipeline connection standard before installation.
- Install according to the approved conventional or water-hammer-reducing flow direction.
- Supply clean, regulated pilot air through the 1/4-inch actuator connection.

Contact Information

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