

All Stainless Steel Pneumatic Quick-Clamp Angle Seat Valve



Product Overview

The all stainless steel 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 pneumatic actuator with a stainless steel angle seat body and a sanitary-style quick-clamp connection for process equipment and industrial pipelines.

Available nominal sizes extend from DN10 to DN80, with tube diameters from 12.7 mm to 89 mm. Final selection must confirm the ferrule and clamp standard, stainless steel grade, seat seal, actuator function, pilot pressure, operating pressure, medium, temperature, and approved flow direction.

Key Features

- All-stainless-steel actuator housing and angle seat body for demanding process environments.
- Pneumatic 2/2-way on-off control for compatible liquids, gases, air, and steam.
- Quick-clamp pipeline connection supports convenient installation, inspection, and maintenance.
- DN10 to DN80 range with tube diameters from approximately 12.7 mm to 89 mm.
- Conventional and anti-water-hammer flow arrangements are shown in the dimensional drawing.
- Customized quick-clamp connection dimensions are available for OEM and project requirements.

Technical Specifications

Parameter	Specification
Product Name	All Stainless Steel 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 Construction	Stainless steel actuator housing
Valve Body	Stainless steel angle seat body
Displayed Sample Material	316L stainless steel marking shown on the displayed DN25 sample
Process Connection	Quick-clamp connection
Nominal Size Range	DN10 to DN80
Tube Diameter Range	12.7 to 89 mm
Clamp Diameter Range	25.4 to 106 mm, depending on model
Pilot Connection	1/8 inch shown in the dimensional drawing
Control Function	Confirm normally closed, normally open, or double-acting configuration before ordering
Working Medium	Air, water, steam, gases, and compatible process fluids
Flow Direction	Conventional or anti-water-hammer installation
Customized Connection	Quick connectors can be customized according to customer requirements
Typical Applications	Cleaning systems, steam lines, water equipment, filling machinery, and process automation

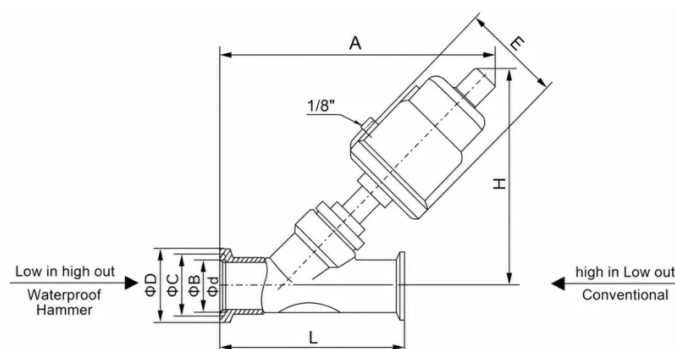
Applications

- Automated steam and hot-water pipeline switching after confirming seal and pressure-temperature limits.
- Washing, cleaning, sterilization support, and process-water equipment.
- Filling, beverage, packaging, textile, and general process machinery.
- Compressed-air and compatible gas-control systems.
- Washdown and moisture-exposed installations where an all-metal actuator housing is preferred.

Selection Checks

Before ordering, confirm the DN size, tube diameter, ferrule and clamp standard, stainless steel grade, seat seal, actuator function and size, pilot pressure, process medium, operating pressure, temperature, approved flow direction, installation arrangement, and required quantity.

Dimensions and Model Selection



Model	L	d	C	D	A	H	E	Actuator Dia.	Anti-Hammer Dia.
DN10 / Ø12.7	120	10	20	25.4	180	155	64	Ø50	Ø50
DN15 / Ø19	132	16	20	50.5	180	160	62	Ø50	Ø50
DN20 / Ø25	132	21	25	50.5	185	160	62	Ø50	Ø50
DN25 / Ø32	142	26	31	50.5	200/230	170/205	62	Ø50/Ø63	Ø63
DN32 / Ø38	152	33	39	50.5	240	210	76	Ø63	Ø80
DN40 / Ø45	182	41	46	64	250	215	76	Ø63	Ø80
DN40 / Ø51	182	46	52	64	250	215	76	Ø63	Ø80
DN50 / Ø57	202	50	55	64	260/280	220/230	76	Ø63/Ø80	Ø100
DN50 / Ø63	202	58	64	77.5	285	235	96	Ø80	Ø100
DN65 / Ø76	230	70	77	91	320	270	96	Ø80	Ø100
DN80 / Ø89	250	83	90	106	360	310	96	Ø100	Ø125

* All dimensions are in millimetres unless otherwise stated. Quick-clamp connector dimensions can be customized according to customer requirements.

Installation Notes

- Confirm the selected control function, clamp standard, gasket, and approved flow direction before installation.
- Use compatible ferrules and clamps; verify clean sealing surfaces and even clamp engagement.
- Supply clean, regulated pilot air through the actuator connection shown in the dimensional drawing.

Contact Information

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