

Stainless Steel Pneumatic Weld-End Angle Seat Valve



Product Overview

The stainless steel pneumatic weld-end angle seat valve provides automatic on-off control for compatible steam, water, gas, and industrial process-fluid pipelines. Its stainless steel actuator and angle-seat valve body combine with straight weld ends for a permanent inline connection with fewer external joint components.

The published range covers DN10 to DN100 with weld tube outside diameters from approximately 12.7 mm to 108 mm. Weld outside diameter, inside diameter, and valve-body length can be customized for OEM equipment and pipeline projects. Final material, seal, control function, pressure, temperature, and flow direction must be confirmed before ordering.

Key Features

- All-stainless-steel actuator housing and angle-seat valve body for demanding process environments.
- Pneumatic 2/2-way on-off operation for compatible liquids, gases, air, water, and steam.
- Straight weld-end connections provide a permanent inline installation without threaded joints or flange bolts.
- DN10 to DN100 range covers weld tube sizes from approximately 12.7 mm to 108 mm.
- Weld outside diameter, inside diameter, and valve-body length can be customized for OEM systems.
- Conventional and anti-water-hammer flow arrangements are identified in the dimensional drawing.

Technical Specifications

Parameter	Specification
Product Name	Stainless Steel Pneumatic Weld-End Angle Seat Valve
Valve Type	Pneumatically actuated angle seat shut-off valve
Valve Function	2 ports, 2 positions
Operation Type	Pneumatic piston actuator
Body and Actuator Design	All stainless steel construction
Process Connection	Weld-end connection
Available Sizes	DN10 to DN100
Welding Tube Range	Approximately Ø13 to Ø108, depending on selected model
Pilot Connection	1/8 inch shown in the dimensional drawing
Working Medium	Water, steam, neutral gas, compressed-air-controlled media, and compatible industrial fluids
Installation Type	Inline welded pipeline installation
Flow Direction	Conventional or anti-water-hammer installation; confirm before ordering
Welding Customization	Outer diameter, inner diameter, and valve-body length can be customized
Control Function	Confirm normally closed, normally open, or double-acting configuration before ordering
Material and Seal	Confirm stainless steel grade and seal material for the medium, pressure, and temperature
Typical Applications	Process equipment, steam pipelines, water systems, filling equipment, cleaning systems, and automation
Selection Checks	Confirm nominal diameter, welding dimensions, medium, temperature, pressure, seal material, actuator size, control function, and installation direction

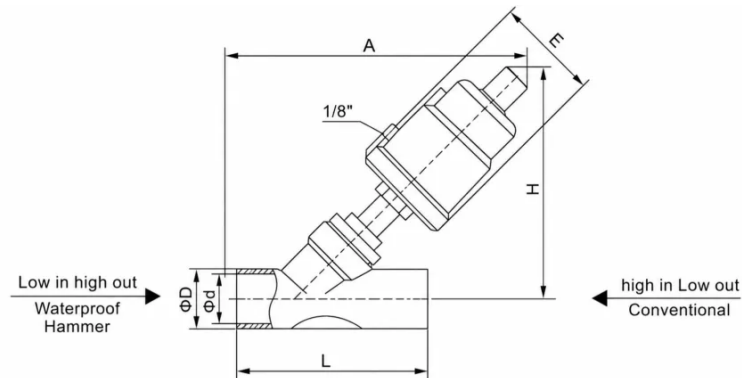
Applications

- Automated steam and hot-water pipeline switching after confirming seal and pressure-temperature limits.
- Industrial washing, cleaning, sterilization-support, and process-water equipment.
- Filling, beverage, packaging, textile, and general process machinery.
- Compressed-air and compatible neutral-gas control systems.
- OEM machinery and pipeline projects requiring customized weld dimensions.

Selection Checks

Before ordering, confirm the nominal diameter, weld outside and inside diameters, valve-body length, stainless steel grade, seat seal, actuator size, control function, pilot pressure, process medium, operating pressure, temperature, approved flow direction, installation arrangement, and required quantity.

Dimensions and Model Selection



Model	Weld Tube O.D.	L	d	D	A	H	E	Conventional Actuator	Anti-Hammer Actuator
DN10 / Ø13	12.7	120	10	14	180	155	62	Ø50	Ø50
DN15 / Ø19	19.05	124	15	20	185	160	62	Ø50	Ø50
DN20 / Ø25	25.4	122	20	26	185	160	62	Ø50	Ø50
DN25 / Ø32	31.8	144	26	33	200/230	170/275	62	Ø50/Ø63	Ø63
DN32 / Ø38	38.1	155	33	39	240	210	76	Ø63	Ø80
DN40 / Ø45	45	185	40	47	250	215	76	Ø63	Ø80
DN40 / Ø51	50.8	185	46	52	250	215	76	Ø63	Ø80
DN50 / Ø57	57	202	50	58	260/280	220/230	76	Ø63/Ø80	Ø100
DN50 / Ø63	63.5	202	58	64	285	235	96	Ø80	Ø100
DN65 / Ø76	76.1	230	68	78	320	270	96	Ø80	Ø100
DN80 / Ø89	88.9	250	83	92	360	310	114	Ø100	Ø125
DN100 / Ø108	108	280	101	112	380	330	114	Ø100	Ø125

* All dimensions are in millimetres unless otherwise stated. Weld-end outer diameter, inner diameter, and valve-body length can be customized according to customer pipeline requirements.

Installation Notes

- Remove or protect the actuator and internal components from excessive welding heat before joining the valve body to the pipeline.
- Align the weld ends, prevent welding debris from entering the valve, and allow the body to cool before operation.
- Install according to the approved conventional or anti-water-hammer flow direction shown in the dimensional drawing.
- Supply clean, regulated pilot air through the 1/8-inch actuator connection and verify material, seal, pressure, and temperature compatibility.

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