

Plastic Actuator Pneumatic Flanged Angle Seat Valve



Product Overview

The plastic actuator pneumatic flanged angle seat valve provides automated on-off control for air, water, steam, gases, and compatible process fluids. It combines an engineering-plastic pneumatic actuator with a metal angle-seat valve body and bolted flange connections for industrial pipeline service.

The published size range covers DN15 to DN100. Before ordering, confirm the flange standard, pressure class, bolt pattern, body material, seat seal, control function, actuator size, pilot pressure, medium, process pressure, temperature, and approved flow direction.

Key Features

- Pneumatic 2/2-way on-off operation for repeated process-fluid switching.
- Bolted flange connections support secure installation in industrial pipelines.
- Engineering-plastic actuator provides a compact and lightweight operating structure.
- DN15 to DN100 range supports equipment lines and larger process systems.
- Conventional and water-hammer-reducing flow arrangements are identified in the dimension drawing.
- Displayed DN40 body marking is PN16; final pressure class and material must be confirmed before ordering.

Technical Specifications

Parameter	Specification
Product Name	Plastic Actuator Pneumatic Flanged 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
Process Connection	Flanged connection
Nominal Size Range	DN15 to DN100
Displayed Product Marking	DN40, PN16
Valve Body	Metal angle-seat body; confirm stainless steel grade before ordering
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
Typical Applications	Steam pipelines, water systems, cleaning equipment, heating lines, and process machinery

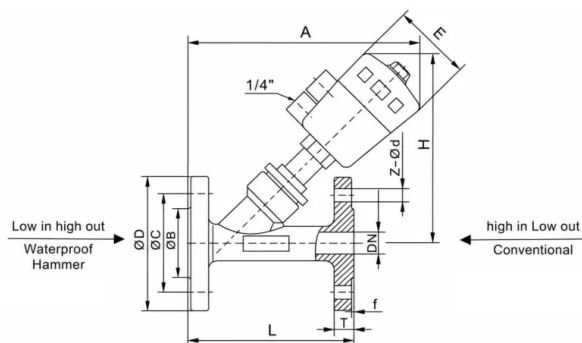
Applications

- Automated steam and hot-water pipeline switching after confirming materials and ratings.
- Industrial washing, cleaning, sterilization-support, and heat-exchanger equipment.
- Compressed-air and compatible industrial gas-control pipelines.
- Textile machinery, filling systems, chemical equipment, and process automation.
- Flanged pipeline isolation where threaded or quick-clamp connections are not suitable.

Selection Checks

Confirm the DN size, flange standard, pressure class, bolt pattern, actuator size, control function, body material, seat seal, pilot pressure, working medium, process pressure, temperature, flow direction, and required quantity. The displayed PN16 marking does not replace final specification confirmation for every size and application.

Dimensions and Model Selection



Model	L	T	f	D	C	B	A	H	E	N-Ød	Conventional Actuator	Water-Hammer Actuator
DN15	120	14	2	95	65	40	185	160	64	4-Ø14	Ø50	Ø50
DN20	120	14	2	105	75	50	185	160	64	4-Ø14	Ø50	Ø50
DN25	142	14	2	115	85	60	200/230	170/205	64/80	4-Ø14	Ø50/Ø63	Ø63
DN32	155	16	2	135	100	70	240	210	80	4-Ø18	Ø63	Ø80
DN40	183	16	2	145	110	80	250	215	80	4-Ø18	Ø63	Ø80
DN50	196	16	2	160	125	92	260/280	220/230	80/100	4-Ø18	Ø63/Ø80	Ø100
DN65	230	18	2	185	145	115	300	270	100	4-Ø18	Ø80	Ø100
DN80	250	18	2	195	160	130	360	310	126	8-Ø18	Ø100	Ø125
DN100	280	18	2	215	180	150	380	330	126	8-Ø18	Ø100	Ø125

All dimensions are in millimetres. Confirm flange standard, pressure class, bolt pattern, and final actuator configuration before ordering.

Installation Notes

- Match the flange standard, pressure class, gasket, bolts, and pipeline dimensions 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.
- Verify body material, seal material, medium compatibility, pressure, and temperature before commissioning.

Contact Information

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