

# Y Series Plastic Head Pneumatic Thread Angle Seat Valve



-20°C ~ +180°C

-20°C ~ +60°C

1.6MPa

0.3~0.8MPa

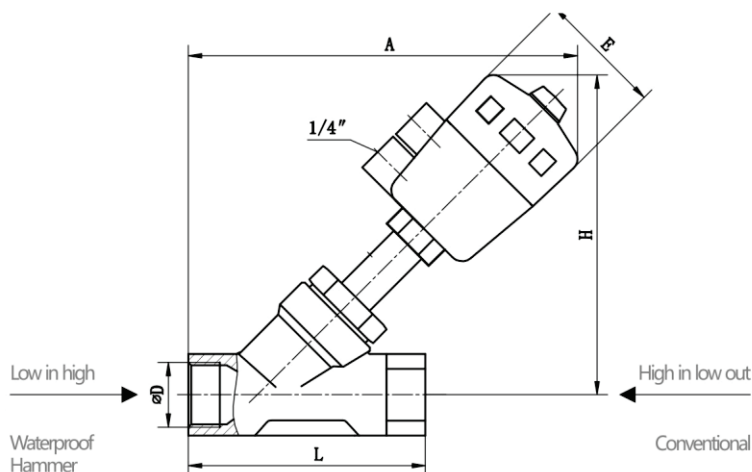
DN10-DN100

CF8/CF8M

PTFE

304/316L

NBR



## Technical parameters

Medium temperature: - 20 °C ~ + 180 °C

Ambient temperature: - 20 °C ~ + 60 °C

Nominal pressure: 1.6 MPa

Control gas, gas, air

Air pressure: 0.3 ~ 0.8 MPa

Specification: DN10 - DN100

The valve body material: CF8/CF8M

seat material:PTFE

Stem material: 304/316L

Sealing ring material: NBR

BSPT,

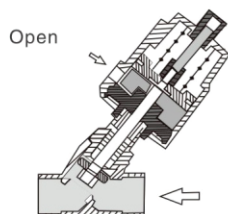
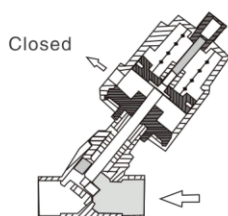
BSP,NPT

Thread standard: British conical tube BSPT, BSP, NPT and other standards can be customized according to user requirements.

model	L	A	H	D	E	Conventional actuator	Waterproof hammer	A	H
DN8/DN10	65	160	140	3/8"	64	Φ50	Φ50	160	140
DN15	85	175	145	1/2"	64	Φ50	Φ50	175	145
DN20	95	180	150	3/4"	64	Φ50	Φ50	180	150
DN25	105	185/210	160/180	1"	64/80	Φ50/Φ63	Φ63	210	180
DN32	120	215	185	1 1/4"	80	Φ63	Φ80	240	205
DN40	130	220	190	1 1/2"	80	Φ63	Φ80	245	210
DN50	150	235/250	200/220	2"	80/100	Φ63/Φ80	Φ100	300	270
DN65	185	285	250	2 1/2"	100	Φ80	Φ100	330	300
DN80	210	370	310	3"	126	Φ100	Φ125	410	350
DN100	235	420	395	4"	126	Φ125	Φ125	460	430

# Y Series Pipeline and Control Pressure Parameter Table

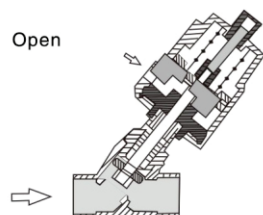
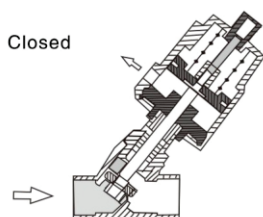
Single-acting normally closed type  
(High-in, low-out conventional type)



Suitable for condensable medium, such as air, steam and low pressure liquid medium.

Size	Thread	Orifice (mm)	Kv(m <sup>3</sup> /h)	Actuator (mm)	ΔP(MPa)	Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.7
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.7
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.7
DN25	G1"	24	18.1	50	0-1.6	0.4-0.7
				63	0-1.6	0.4-0.7
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.7
				80	0-1.6	0.4-0.7
DN40	G1 1/2"	35	32.9	63	0-1.6	0.4-0.7
				80	0-1.6	0.4-0.7
DN50	G2"	45	52.8	63	0-1.2	0.4-0.7
				80	0-1.6	0.4-0.7
DN65	G2 1/2"	60	90	80	0-1.2	0.4-0.7
				100	0-1.6	0.4-0.7

Single-acting normally closed type  
(Low-in high-out waterproof hammer type)

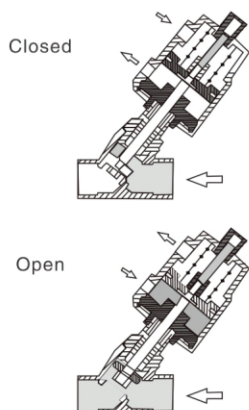


Flow come from below seat, avoid water hammer

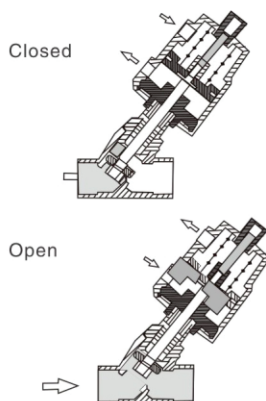
Size	Thread	Orifice (mm)	Kv(m <sup>3</sup> /h)	Actuator (mm)	ΔP(MPa)	Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.4	0.6-0.8
DN15	G1/2"	13	4.7	50	0-1.1	0.6-0.8
				50	0-1.4	0.6-0.8
DN20	G3/4"	18	9.5	50	0-1.1	0.6-0.8
DN25	G1"	24	18.1	50	0-1.4	0.6-0.8
				63	0-1.4	0.6-0.8
DN32	G1 1/4"	32	23.1	80	0-1.6	0.6-0.8
				63	0-0.6	0.6-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.6-0.8
				63	0-0.5	0.6-0.8
DN50	G2"	45	52.8	80	0-1.6	0.6-0.8
				100	0-1.0	0.6-0.8
DN65	G2 1/2"	60	90	80	0-1.2	0.6-0.8
				100	0-1.6	0.6-0.8

# Y Series Pipeline and Control Pressure Parameter Table

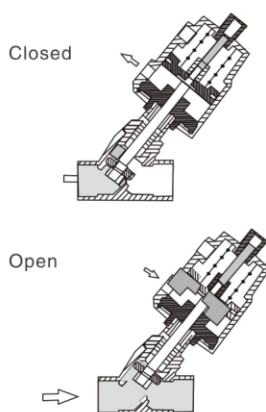
Double acting (High-in, low-out conventional type)

Suitable for higher reliable performance, differential pressure  $\Delta P$ ; Valve could be closed if there is emergency.

Size	Thread	Orifice(mm)	Kv(m <sup>3</sup> /h)	Actuator(mm)	$\Delta P$ (MPa)	Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.7
				50	0-1.6	0.4-0.7
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.7
				50	0-1.6	0.4-0.7
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.7
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DN25	G1"	24	18.1	50	0-1.6	0.4-0.7
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DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.7
				80	0-0.6	0.4-0.7
DN40	G1 1/2"	35	32.9	63	0-1.6	0.4-0.7
				80	0-1.6	0.4-0.7
DN50	G2"	45	52.8	63	0-1.2	0.4-0.7
				80	0-1.6	0.4-0.7
DN65	G2 1/2"	60	90	80	0-1.2	0.4-0.7
				100	0-1.6	0.4-0.7

Double acting normally closed type  
(Low entry high exit waterproof hammer type)Flow come from below seat, avoid water hammer, suitable for higher  $\Delta P$ .

Size	Thread	Orifice(mm)	Kv(m <sup>3</sup> /h)	Actuator(mm)	$\Delta P$ (MPa)	Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.6-0.8
				50	0-1.6	0.6-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.6-0.8
				50	0-1.6	0.6-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.6-0.8
				50	0-1.6	0.6-0.8
DN25	G1"	24	18.1	50	0-1.6	0.6-0.8
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				100	0-1.6	0.6-0.8
DN50	G2"	45	52.8	80	0-0.8	0.6-0.8
				100	0-1.6	0.6-0.8
DN65	G2 1/2"	60	90	80	0-1.2	0.6-0.8
				100	0-1.6	0.6-0.8

Single-acting normally open type  
(Low-in high-out waterproof hammer type)Flow come from below seat, avoid water hammer, suitable for higher  $\Delta P$ .

Size	Thread	Orifice(mm)	Kv(m <sup>3</sup> /h)	Actuator(mm)	$\Delta P$ (MPa)	Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.6-0.8
				50	0-1.6	0.6-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.6-0.8
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DN32	G1 1/4"	32	23.1	63	0-1.6	0.6-0.8
				80	0-0.6	0.6-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.6-0.8
				100	0-1.6	0.6-0.8
DN50	G2"	45	52.8	80	0-0.8	0.6-0.8
				100	0-1.6	0.6-0.8
DN65	G2 1/2"	60	90	80	0-1.2	0.6-0.8
				100	0-1.6	0.6-0.8

# Angle Seat Valve Introduction

## Once and for all

Facts have proved that our corner seat valve has a working life of more than a million times

50% more economical than ball valves  
600% longer service life than ball valves  
Compact Design  
Fast Response  
Water hammer-free

### Easy to install

Motor control interface on the 360 °  
Any position can be choose

Take the water as the medium,  
compared to similar competitive  
Product. Longer working life more  
than 3,000,000 times.

Self-adjusting ,  
double packing glands.

Extended spindle guide  
and wiper seal.

5million cycles  
With pilot air, zero leakage.

Maintenance-free actuator  
With long-life piston ring

Shock free opening  
With 40% less air consumption

Water hammer-free  
(Flow below seat)

Many connection options  
Weld ends, threaded ports,  
Tri-Clamp and flange connections.

Allows smaller actuators  
With use of compressible media  
(flow above seat)

50% higher flow rates  
than the Globe valves

## Food and beverage

Processing industries control of mediums  
such as air, water, steam up to 180°C, lye,  
vacuum

## Textile dyeing and bleaching

Control of water, steam up to 180°C  
Corium hypochlorite

Sterilizers and auto-claves for hospitals and  
the pharmaceutical industry

Control of steam ,hot water up to 180°C

## Laundries

Control of water, steam, washing agents

Control of solvents, steam, vacuum

Industrial washing equipment  
and solvent recovery systems

## Machine tools

Control of coolant agents