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PROFESSIONAL BRAND
OF AUTOMATIC FLUID CONTROL VALVE

BTB

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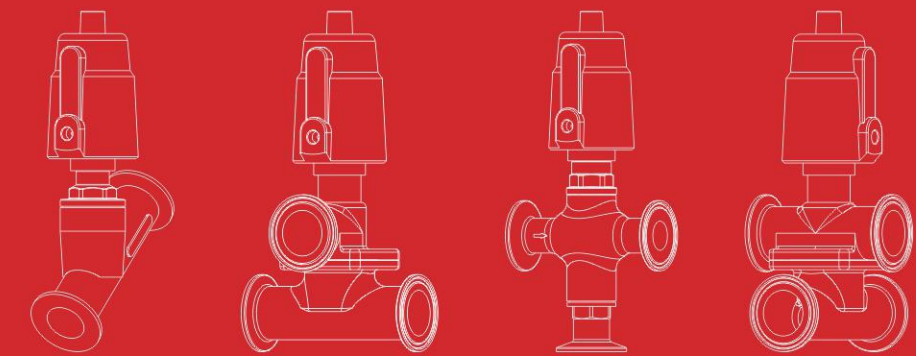
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YUHUAN B.T.BEST AIR-VALVE CO., LTD

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PNEUMATIC VALVE AND AUTOMATIC FLUID CONTROL SOLUTION SUPPLIER

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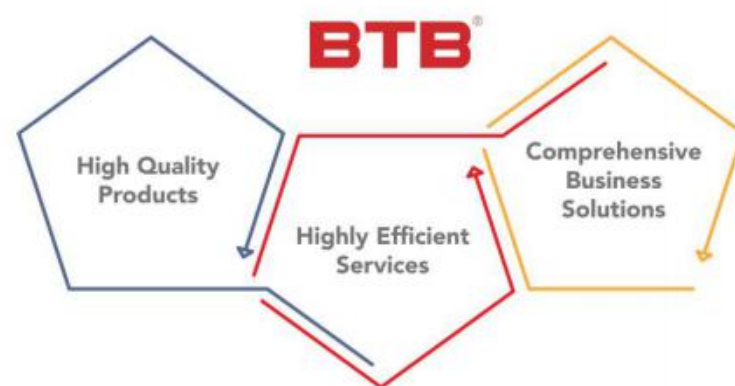
Company Introduction

Solid quantity, leading brand!

BTB AIR VALVE Limited was founded in 2005 which has expertise in pneumatic valves research, development and manufacture, however our team has been providing excellent products and service for over decades, not to mention continuously contributing into technology development in this industry. Our slogan is 'tiny valves, huge technology'. We can fulfill any circumstances, even in extreme environment such as high frequency and high temperature, up to all standards and exactly satisfied what our clients desire and requirements.

We strictly follow the ISO9001 quality assurance system and 6S production management system. We take the advantage of our imported CNC machine tools and advanced production technology, to make sure our products in leading of level in domestic pneumatic valve manufacture industry.

We have long term partners in many industries such as packaging, rubber, dyeing, and auto parts etc., and many of them are world top 500 enterprises home and abroad. We have built a huge clients database over the decades with over 3000 active clients.



Yuhuan B.T.Best Air-valve Co., Ltd—Production Base

Our Team and Partnerships

Adhering to the principle of professionalism, our technical team here in BTB Valve adopts both evolutionary and traditional manufacture technology, and constantly adds new technologies and new solutions to decades of production expertise, injecting new energy into enterprise innovation.

Here at BTB Valve, we work closely with the universities which are well known for their research within the industry, and we share information extensively. With the help of their advanced equipment and software in those universities, we can conduct the fluid modeling process in order to analyze and simulate real time pressure, flow rate, and opening speed, which provides a comprehensive scientific basis for the planning and implementation of our new products and manufacture processes.



Our Qualifications

We have dozens of patents correspond to dozens of technical improvements and innovations, and have made great progress in accuracy, service life, and fully customization. It serves a number of extreme conditions at the application site, and has obtained relevant patent approvals in terms of high frequency, high temperature, and flow control.

We provide our products and service to customers from all over the world, in terms of factory inspections, strict standard tests, and obtained relevant export and production certificate.



Production Workshop



Modern standardized management system and cutting-edge equipment are the cornerstones of our high-quality products.

Guided strictly by the 6S production management system and strictly in accordance with the ISO9001 quality assurance system, the entire factory is managed in an orderly manner to make sure all processes are accurate to the drawings, all policies are specific and all personnel are accountable.

With our imported processing equipment, the accuracy and consistency of all of our parts and accessories are guaranteed top level quality domestically, which also guarantees the overall high precision and longer life expectancy of our valve products.



Quality Inspection and Production Management

Control production process is the guarantee of product quality

We operate the equipment in strict accordance with the standard of the national fluid testing laboratory. According to the ISO9001 quality assurance system, the testing is embedded in the early, middle and later stages of production to ensure the quality of our products during the whole process.

All parts of our products are subject to relevant inspections in order to make them all up to the same level of quality even to the tiny details. Every single finished product will be tested, to make sure we deliver our promises 100%.



- 1 Valve seal testing bench
- 2 Salt spraying test machine
- 3 Roughness instrument
- 4 Stiffness detection system
- 5 Valve life testing bench
- 6 High temperature simulation testing bench
- 7 Three coordinate measuring system
- 8 Optical image measuring system
- 9 Spectrum analyser



















Product Catalog

Provide with pneumatic fluid solutions

Discuss with customers and engineers for specific, install and service on site. Ensure the design detailed and reasonable. After-sales first, quick responsible for solve the problem promptly.



							
Pneumatic Two-way Angle Seat Valve 12-27	Angle Seat Valve with Indicator 28	Pneumatic Regulating Angle Seat Valve 29-37	Manual Angle Seat Valve 38-41	Pneumatic T-type Angle Seat Valve 60-63	Two-piece Ball Valve 64-65	Three-piece Ball Valve 66-73	Three-way Ball Valve 74-79
							
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Pneumatic Two-way Angle Seat Valve

Thread Stainless Steel Actuator Angle Seat Valve



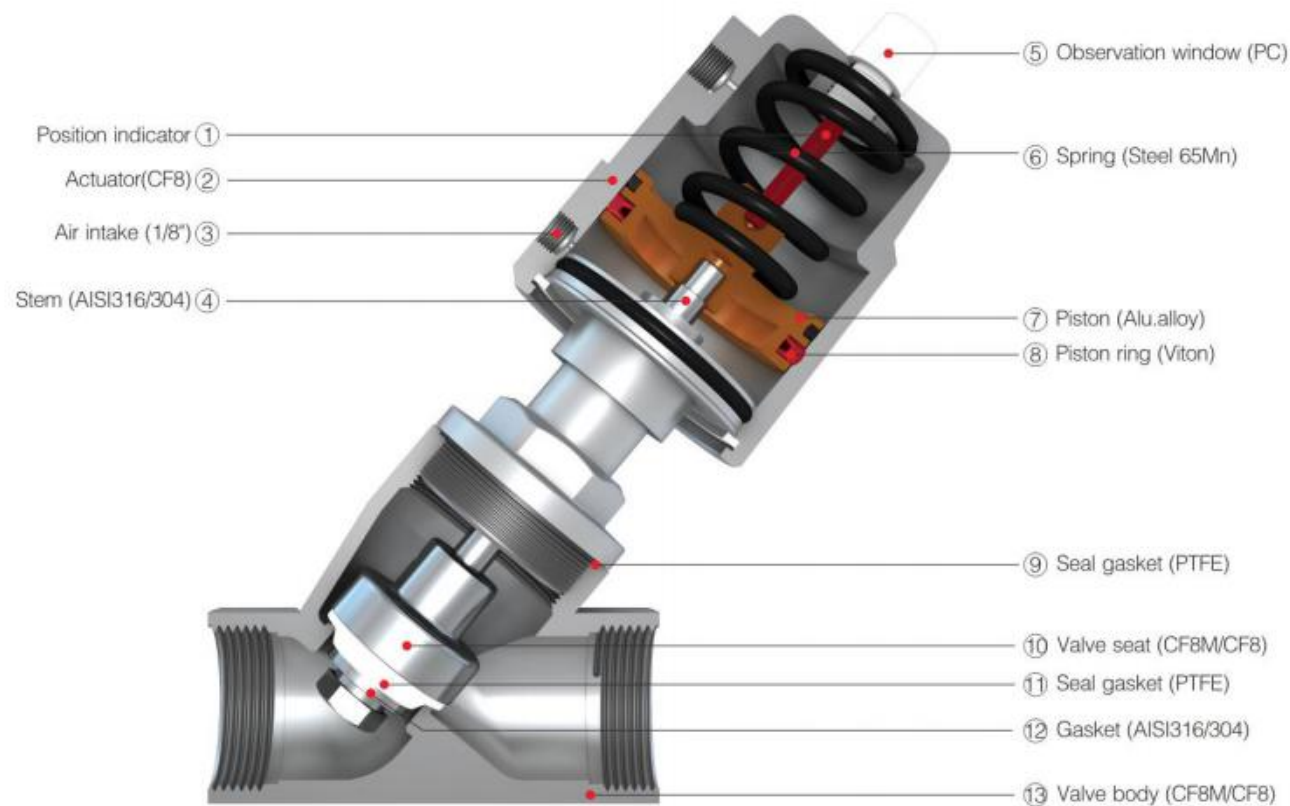
Welding Stainless Steel Actuator Angle Seat Valve



Tri-clamp stainless steel actuator angle seat valve



Flange stainless steel actuator angle seat valve



Technical Parameter

Working pressure: 0-1.6MPa (0-232psi)
 Controlling pressure: 0.3-0.8Mpa (43.5-116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: -29°C~+200°C
 Environment temperature: -10°C~+80°C
 Connection: Thread, welding, flange, tri-clamp
 A: up stream installation / B: down stream installation
 Leakage class: DIN EN 12266 A Class

Working Principle

In the non-working status, the valve is normally closed (open) due to spring force, when actuator piston is compressed by air. The double-acting valve control by compressed air.

Features

1. High flow rate, low fluid resistance, Y-type design increases 30% flow rate.
2. Position indicator: The limit switch and emergency manual are adaptable.
3. Easy installation: Actuator 360° rotated free.
4. Variety control mode: Normal open, Normal closed, Double-acting, Free status.
5. Automatically position correction, Self-lubricating PTFE seal, maintenance-free, good stability.
6. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
7. Long working life.
8. High-frequency switch, High sensitivity.

Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.

Pneumatic Two-way Angle Seat Valve



Thread Aluminum Actuator Angle Seat Valve



Welding Aluminum Actuator Angle Seat Valve



Tri-clamp Aluminum Actuator Angle Seat Valve



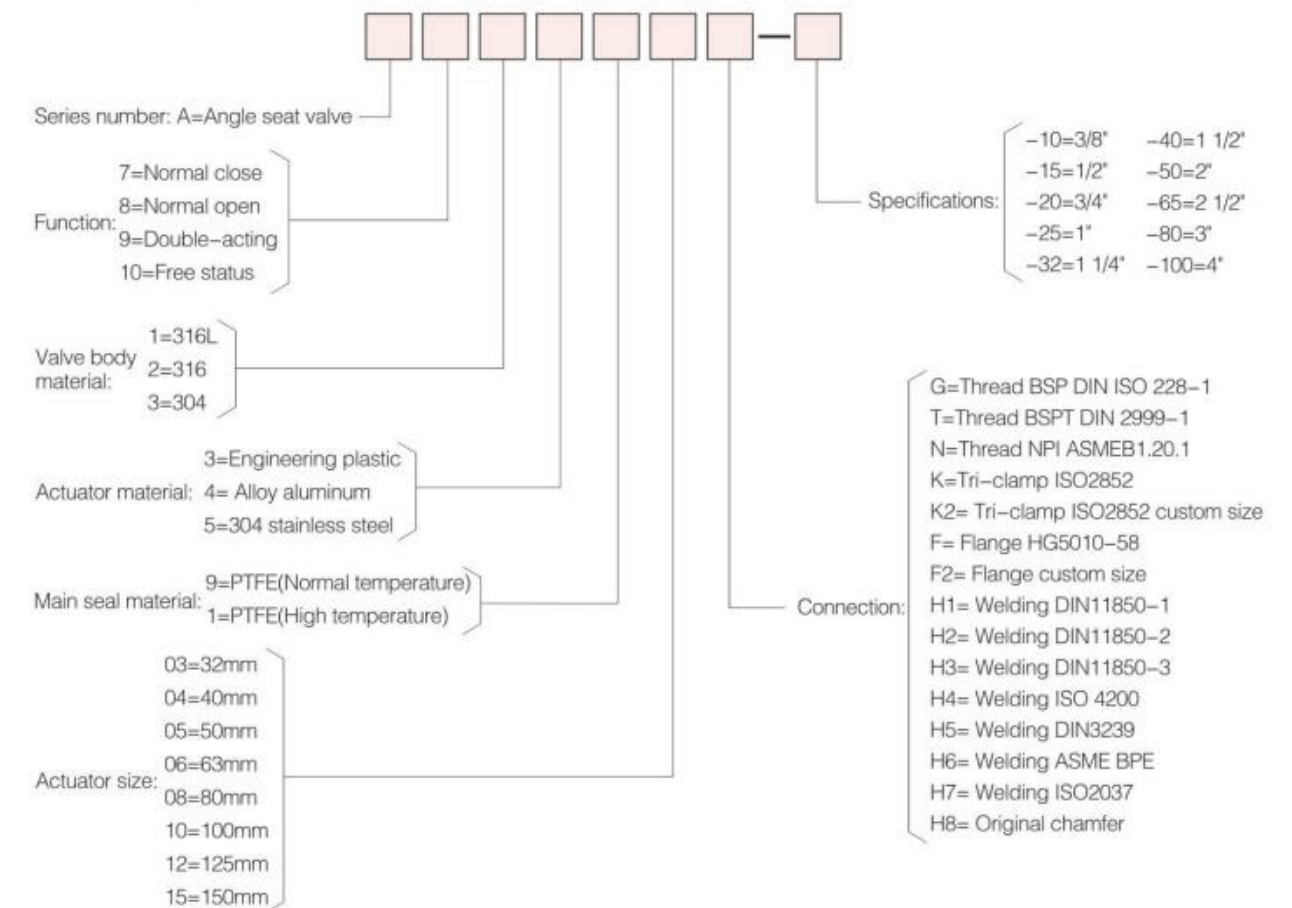
Flange Aluminum Actuator Angle Seat Valve



Internal polishing



Order Guide

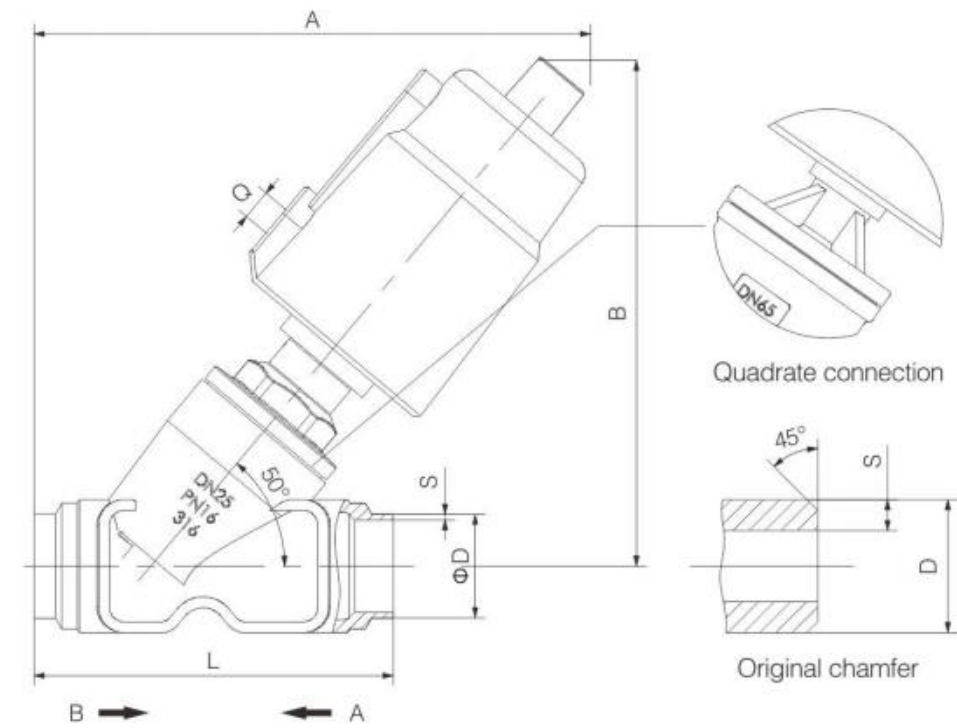
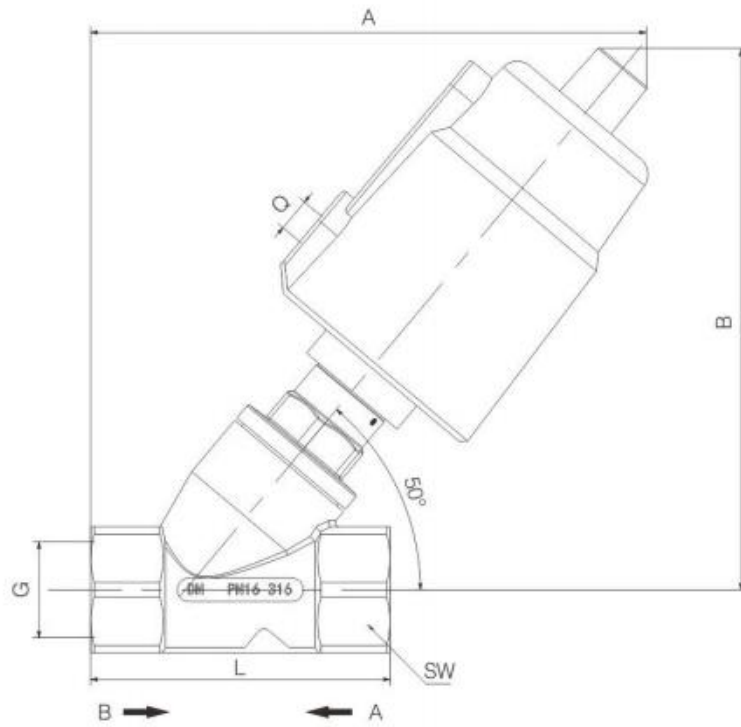


Polishing standard

Ra	Internal surface
0.4	Smooth-surface
0.2	Varnish
0.1	Mirror surface

Better roughness can reduce the residue, and better applicable to medicine, food and other industries.

Pneumatic Two-way Angle Seat Valve



Thread standard: Customized to customer requirements.

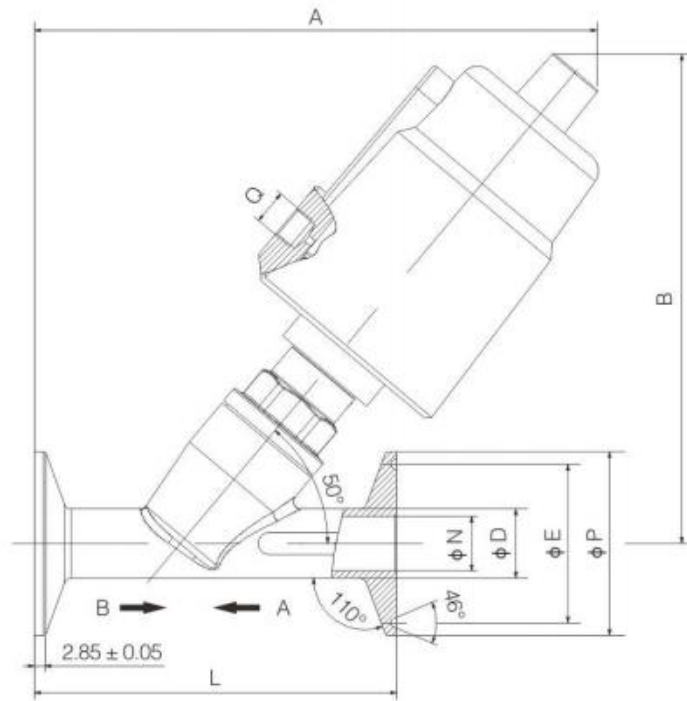
Thread Stainless Steel/Aluminum Actuator Angle Seat Valve—Specifications

Specifications	Actuator (mm)	A	B	Q	L	G	SW
DN10	32	110	104	1/8"	55	3/8"	21
	40	125	124	1/8"			
	50	127	128	1/8"			
DN15	32	116	110	1/8"	70	1/2"	26
	40	130	130	1/8"			
	50	133	132	1/8"			
DN20	40	135	132	1/8"	76	3/4"	32
	50	139	136	1/8"			
	63	147	147	1/8"			
DN25	40	148	140	1/8"	91	1"	40
	50	149	144	1/8"			
	63	155	154	1/8"			
	80	165	161	1/8"			
DN32	63	184	174	1/8"	116	1 1/4"	49
	80	210	192	1/8"			
	100	230	215	1/4"			
DN40	63	186	178	1/8"	116	1 1/2"	55
	80	200	190	1/8"			
	100	282	219	1/4"			
DN50	63	200	186	1/8"	138	2"	68
	80	215	200	1/8"			
	100	248	231	1/4"			
DN65	100	250	235	1/4"	168	2 1/2"	85
DN80	125	295	285	1/4"	192	3"	100

Welding Stainless Steel/Aluminum Actuator Angle Seat Valve—Specifications

DN	Actuator (mm)	A	B	Q	L	Original chamfer		DIN11850-1		DIN11850-2		DIN11850-3		ISO4200		DIN3239		ASME BPE		ISO2037	
						ØD	ØS	ØD	ØS	ØD	ØS	ØD	ØS	ØD	ØS	ØD	ØS	ØD	ØS	ØD	ØS
10	32	112	104	1/8"	55	16	4	12	1	13	1.5	14	2	13.5	1.6	/	/	9.53	0.89	/	/
	40	125	124	1/8"																	
15	40	135	129	1/8"	70	25	5.5	18	1	19	1.5	20	2	21.3	1.6	21.3	2	12.7	1.65	/	/
	50	138	133	1/8"																	
20	40	144	136	1/8"	82	31	6	22	1	23	1.5	24	2	26.9	1.6	26.9	2.3	19.1	1.65	/	/
	50	105	136	1/8"																	
	63	152	147	1/8"																	
25	40	152	141	1/8"	100	37	6	28	1	29	1.5	30	2	33.7	2	33.7	2.6	25.4	1.65	25	1.2
	50	155	145	1/8"																	
	63	165	156	1/8"																	
	80	171	163	1/8"																	
32	63	189	175	1/8"	126	46	7.5	34	1	35	1.5	36	2	42.4	2	/	/	/	/	31.8	1.2
	80	212	190	1/8"																	
	100	235	215	1/4"																	
40	63	196	175	1/8"	130	53	8	40	1	41	1.5	42	2	48.3	2	48.3	2.6	38.1	1.65	38	1.2
	80	212	190	1/8"																	
	100	233	215	1/4"																	
50	63	234	185	1/8"	157	66	10	52	1	53	1.5	54	2	60.3	2	60.3	3.2	50.8	1.65	51	1.2
	80	230	200	1/8"																	
	100	255	224	1/4"																	
65	100	270	265	1/4"	204	88	14	/	/	70	2	/	/	76.1	2.3	76.1	3.6	63.5	1.65	/	/
80	125	310	310	1/4"	222	102	16	/	/	85	2	/	/	88.9	2.3	88.9	4	76.2	1.65	/	/
100	150	307	324	1/4"	277	122	11.5	/	/	104	2	/	/	114.3	2.6	114.3	5	101.6	2.11	/	/

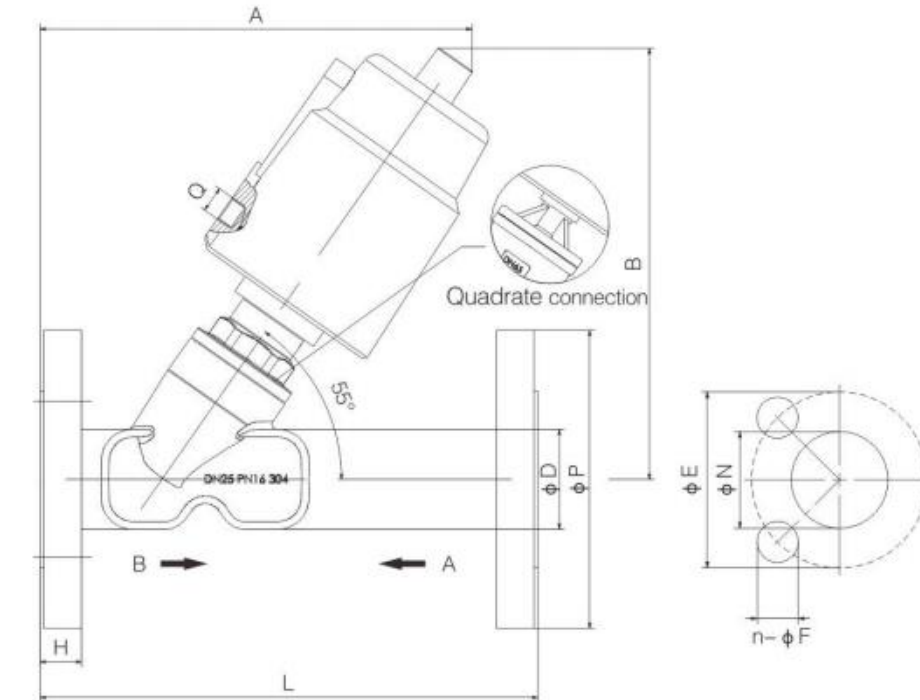
Pneumatic Two-way Angle Seat Valve



Tri-clamp standard: ISO 2852

Tri-clamp Stainless Steel and Aluminum Actuator Angle Seat Valve— Specifications

DN	Actuator (mm)	A	B	Q	L	φD	φE	φN	φP
15	32	136	110	1/8"	100	19	43.5	15	50.5
	40	153	128	1/8"					
	50	156	131	1/8"					
20	40	154	128	1/8"	111	24	43.5	20	50.5
	50	156	132	1/8"					
	63	163	140	1/8"					
25	40	165	137	1/8"	130	32	43.5	27	50.5
	50	169	141	1/8"					
	63	176	152	1/8"					
	80	200	165	1/4"					
32	63	197	170	1/8"	140	38	43.5	32	50.5
	80	220	182	1/8"					
	100	244	215	1/4"					
40	63	215	172	1/8"	160	46	56.5	40	64
	80	214	179	1/8"					
	100	255	218	1/4"					
50	63	230	185	1/8"	175	57	70.5	50	77.5
	80	240	200	1/8"					
	100	270	225	1/4"					
65	100	290	270	1/4"	246	76	83.5	72	91
80	125	325	305	1/4"	263	89	97	83	106
100	150	326	325	1/4"	346	103	110	97	119



Note: This form is regular length and can be shortened or lengthened as required by the customer.
Flange standard: HG5010-58, flange can be configured according to customer requirements.

Flange stainless steel/Aluminum Actuator Angle Seat Valve— Specifications

DN	Actuator (mm)	A	B	Q	L	φD	φE	φN	n-φF	φP	H
15	40	140	140	1/8"	159	24	65	19	4-14	92	11
	50	145	145	1/8"							
20	40	138	142	1/8"	176	31	75	26	4-14	102	13.5
	50	142	145	1/8"							
	63	160	155	1/8"							
25	40	151	149	1/8"	188	39	85	33	4-14	112	13.5
	50	153	152	1/8"							
	63	166	166	1/8"							
	80	166	174	1/8"							
32	63	198	190	1/8"	200	45	100	39	4-18	132	14.5
	80	215	200	1/8"							
40	63	210	186	1/8"	223	52	110	46	4-18	142	15.5
	80	215	195	1/8"							
	100	211	225	1/4"							
50	63	210	200	1/8"	230	66	125	59	4-18	157	16
	80	224	205	1/8"							
	100	250	235	1/4"							
65	100	290	270	1/4"	235	88	145	78	4-18	177	17
80	125	290	290	1/4"	258	102	160	91	8-18	192	18
100	150	320	325	1/4"	302	122	180	110	8-18	215	26

Pneumatic Two-way Angle Seat Valve



Thread Plastic Actuator Angle Seat Valve



Welding Plastic Actuator Angle Seat Valve



Tri-clamp Plastic Actuator Angle Seat Valve



Flange Plastic Actuator Angle Seat Valve



Technical Parameter

Working pressure: 0–1.6MPa (0–232psi)
 Controlling pressure: 0.3–0.8MPa (43.5–116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: –29°C~+200°C
 Environment temperature: –10°C~+80°C
 Connection: Thread, welding, flange, tri–clamp
 A: upstream installation / B: downstream installation
 Leakage class: DIN EN 12266 A class

Working Principle

In the non–working status, the valve is normally closed (open) due to spring force ,when actuator piston is compressed by air. The double–acting valve control by compressed air.

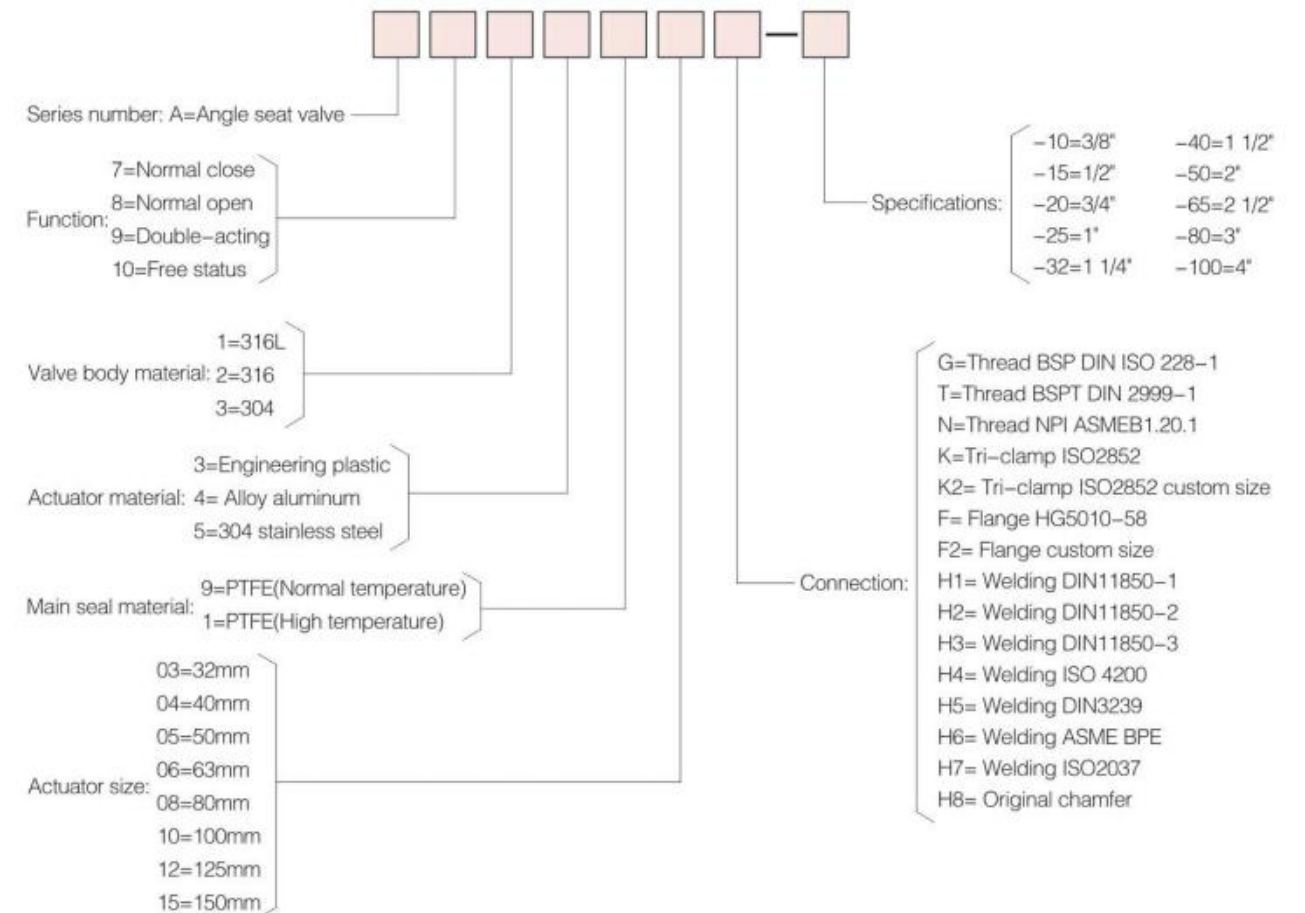
Features

1. High flow rate, low fluid resistance, Y–type design increases 30% flow rate.
2. Position indicator: The limit switch and emergency manual are adaptable.
3. Easy installation: Actuator 360° rotated free.
4. Variety control mode: Normal open, Normal closed, Double–acting, Free status.
5. Automatically position correction, Self–lubricating PTFE seal, maintenance–free, good stability.
6. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
7. Easy installation.
8. High–frequency switch, High sensitivity.

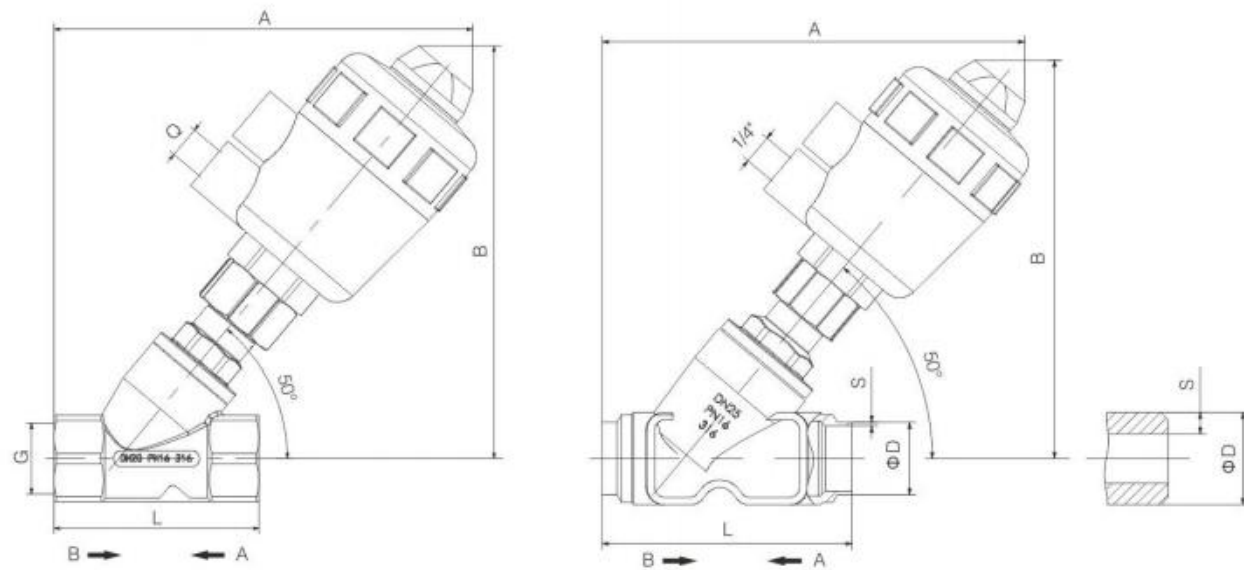
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high–temperature sterilization, washing machine, etc.

Order Guide



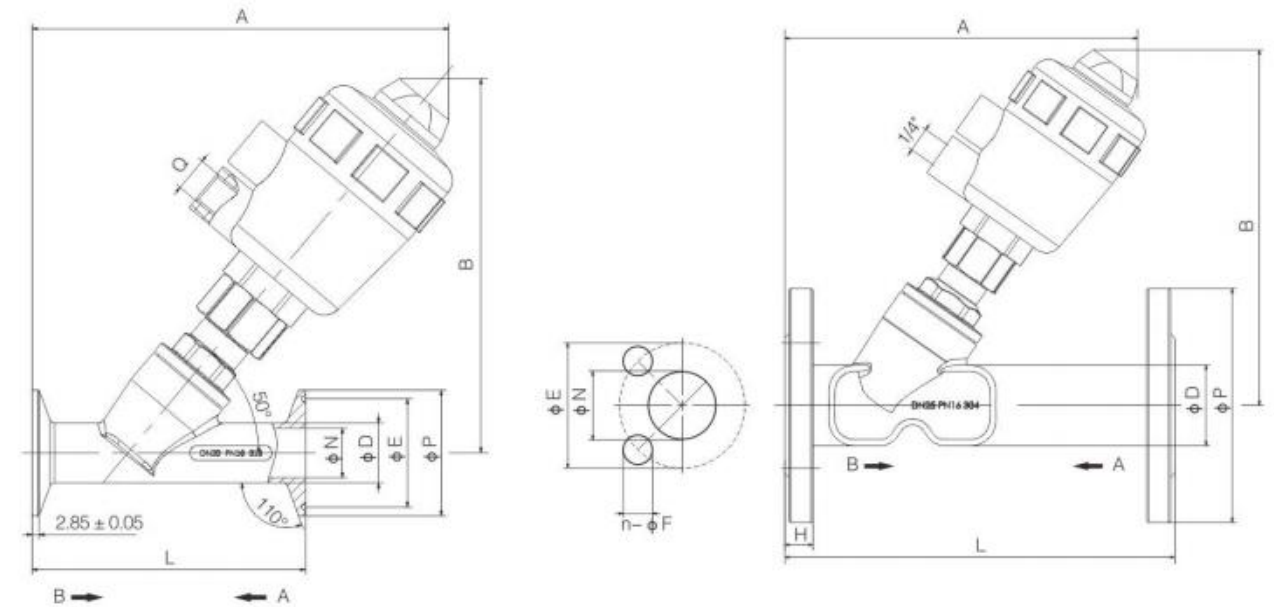
Pneumatic Two-way Angle Seat Valve



Thread standard: Customized to customer requirements.

Thread Plastic Actuator Angle Seat Valve—Specifications

DN	Actuator (mm)	A	B	Q	L	G	SW
10	50	140	145	1/4"	55	3/8"	21
15	50	148	148		70	1/2"	26
20	50	153	153		76	3/4"	32
	63	175	174				
25	50	164	161		91	1"	40
	63	195	182				
32	63	208	201		116	1 1/4"	49
	63	208	203				
40	80	230	217		116	1 1/2"	55
	80	230	217				
50	80	250	225	138	2"	68	



Tri-clamp standard: ISO2852

Tri-clamp Plastic Actuator Angle Seat Valve—Specifications

DN	Actuator (mm)	A	B	Q	L	ØD	φE	φN	φP
15	50	170	145	1/4"	100	19	43.5	15	50.5
20	50	170	155		111	24	43.5	20	50.5
	63	185	175						
25	50	183	156		130	32	43.5	27	50.5
	63	210	180						
32	63	230	194		140	38	43.5	32	50.5
	80	250	220						
40	63	240	198		160	46	56.5	40	64
	80	255	225						
50	80	270	235		175	57	70.5	50	77.5

Note: This form is regular length and can be shortened or lengthened as required by the customer.

Flange Plastic Actuator Angle Seat Valve—Specifications

DN	Actuator (mm)	A	B	L	ØD	φE	φN	n-φF	φP	H
15	50	157	160	159	24	65	19	4-14	92	11
20	50	168	168	176	31	75	26	4-14	102	13.5
	63	185	185							
25	50	175	175	188	39	85	33	4-14	112	13.5
	63	200	200							
32	63	215	217	200	45	100	39	4-18	132	14.5
	80	232	235							
40	63	220	212	223	52	110	46	4-18	142	15.5
	80	240	228							
50	80	250	240	230	66	125	59	4-18	157	16

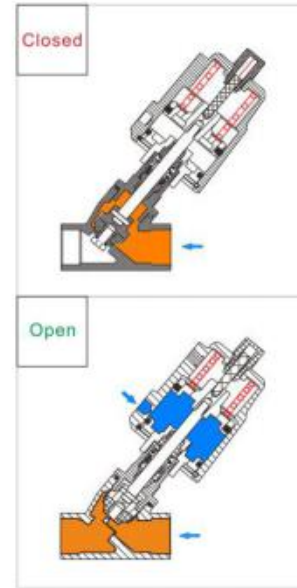
Welding Plastic Actuator Angle Seat Valve--Specifications

DN	Actuator (mm)	A	B	L	Original chamfer		DIN11850-1		DIN11850-2		DIN11850-3		ISO4200		DIN3239		ASME BPE		ISO2037	
					φD	S	φD	S	φD	S	φD	S	φD	S	φD	S	φD	S	φD	S
10	50	150	143	55	16	4	12	1	13	1.5	14	2	13.5	1.6	/	/	9.53	0.89	/	/
15	50	157	148	70	25	5.5	18	1	19	1.5	20	2	21.3	1.6	21.3	2	12.7	1.65	/	/
20	50	162	155	82	31	6	22	1	23	1.5	24	2	26.9	1.6	26.9	2.3	19.1	1.65	/	/
	63	185	173																	
25	50	175	160	100	37	6	28	1	29	1.5	30	2	33.7	2	33.7	2.6	25.4	1.65	25	1.2
	63	195	179																	
32	63	220	200	126	46	7.5	34	1	35	1.5	36	2	42.4	2	/	/	/	/	31.8	1.2
40	63	220	202	130	53	8	40	1	41	1.5	42	2	48.6	2	48.3	2.6	38.1	1.65	38	1.2
	80	232	215																	
50	80	250	225	157	66	10	52	1	53	1.5	54	2	60.3	2	60.3	3.2	50.8	1.65	51	1.2

Two-way Angle Seat Valve

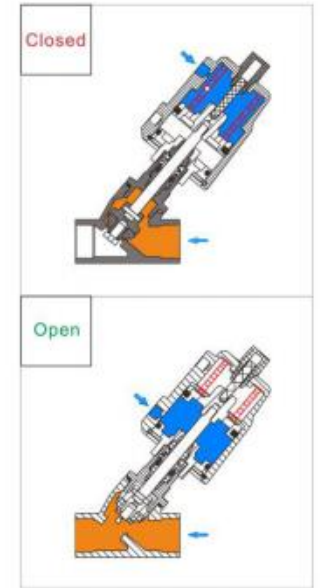
Single-acting Normal Close—Up stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	0.4-0.6	0-0.8
	40		0.4-0.5	0-1.6
	50		0.4-0.6	0-1.6
15	32	13	0.4-0.6	0-0.8
	40		0.4-0.6	0-1.6
	50		0.35-0.6	0-1.6
20	40	17	0.35-0.6	0-1.6
	50		0.35-0.6	0-1.6
	63		0.4-0.6	0-1.6
25	40	24	0.4-0.6	0-1.6
	50		0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
32	63	30	0.4-0.7	0-1.6
	80		0.5-0.7	0-1.6
	100		0.5-0.7	0-1.6
40	63	35	0.4-0.7	0-1.6
	80		0.5-0.7	0-1.6
	100		0.5-0.7	0-1.6
50	63	45	0.4-0.7	0-1.2
	80		0.6-0.9	0-1.6
	100		0.4-0.9	0-1.6
65	100	59	0.4-0.9	0-1.6
80	125	76	0.4-0.9	0-1.6



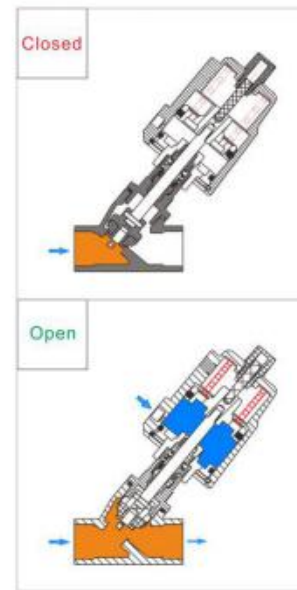
Double-acting Normal Close—Up stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	0.2-0.3	0-0.8
	40		0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
15	32	13	0.2-0.3	0-0.6
	40		0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
20	40	17	0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
	63		0.3-0.5	0-1.6
25	40	24	0.3-0.5	0-1.6
	50		0.35-0.6	0-1.6
	63		0.3-0.6	0-1.6
32	63	30	0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
	100		0.45-0.7	0-1.6
40	63	35	0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
	100		0.4-0.7	0-1.6
50	63	45	0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
	100		0.4-0.6	0-1.6
65	100	59	0.4-0.6	0-1.6
80	125	76	0.4-0.6	0-1.2



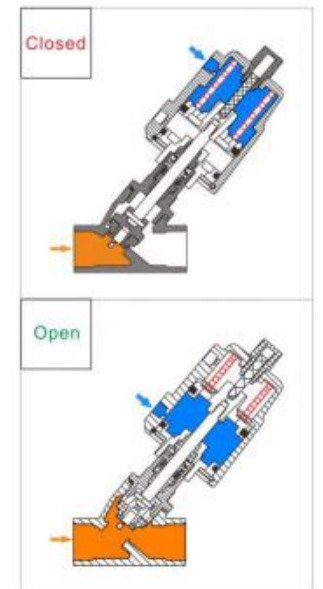
Single-acting Normal Close—Down stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	≥ 0.4	0-0.8
	40		≥ 0.4	0-1.3
	50		≥ 0.4	0-0.8
15	32	13	≥ 0.4	0-0.8
	40		≥ 0.4	0-1.3
	50		≥ 0.4	0-0.8
20	40	17	≥ 0.4	0-0.8
	50		≥ 0.4	0-1.3
	63		≥ 0.5	0-1.3
25	40	24	≥ 0.4	0-0.8
	50		≥ 0.4	0-0.8
	80		≥ 0.45	0-1.6
32	63	30	≥ 0.45	0-0.6
	80		≥ 0.5	0-1.2
	100		≥ 0.5	0-1.2
40	63	35	≥ 0.5	0-0.6
	80		≥ 0.5	0-1.2
	100		≥ 0.5	0-0.8
50	63	45	≥ 0.5	0-0.4
	80		≥ 0.6	0-0.8
	100		≥ 0.6	0-1.0
65	100	59	≥ 0.6	0-0.4



Double-acting Normal Close—Down stream

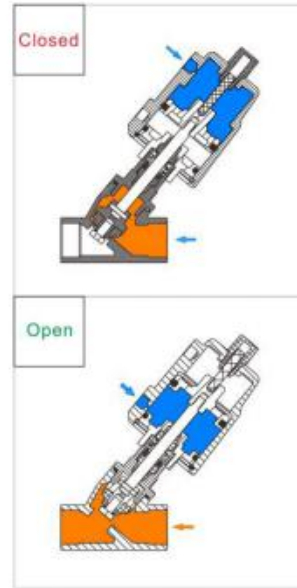
DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	≥ 0.2	0-0.8
	40		≥ 0.3	0-1.6
	50		≥ 0.4	0-1.6
15	32	13	≥ 0.2	0-0.8
	40		≥ 0.3	0-1.6
	50		≥ 0.4	0-1.6
20	40	17	≥ 0.4	0-1.6
	50		≥ 0.4	0-1.6
	63		≥ 0.4	0-1.6
25	40	24	0.4-0.6	0-0.8
	50		0.4-0.6	0-1.6
	63		0.4-0.6	0-1.6
32	63	30	0.4-0.6	0-0.8
	80		0.4-0.7	0-1.6
	100		0.4-0.6	0-1.6
40	63	35	0.4-0.6	0-0.8
	80		0.35-0.6	0-1.6
	100		0.4-0.6	0-1.6
50	63	45	0.4-0.6	0-0.8
	80		0.45-0.65	0-1.6
	100		0.35-0.6	0-1.6
65	100	59	0.3-0.6	0-1.0
80	125	76	0.5-0.7	0-0.8



Two-way Angle Seat Valve

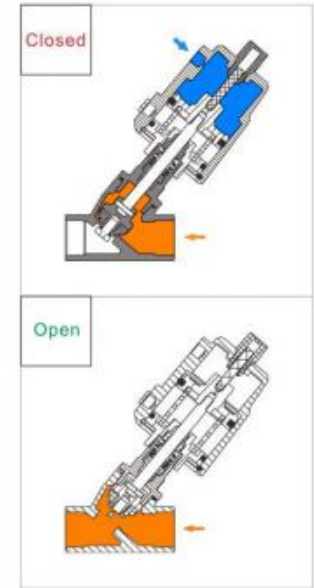
Double-acting Free status—Up stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	0.2-0.3	0-0.8
	40		0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
15	32	13	0.2-0.3	0-0.6
	40		0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
20	40	17	0.3-0.5	0-1.6
	50		0.3-0.5	0-1.6
	63		0.3-0.5	0-1.6
25	40	24	0.3-0.5	0-1.6
	50		0.35-0.6	0-1.6
	63		0.3-0.6	0-1.6
32	80	30	0.4-0.6	0-1.6
	63		0.4-0.55	0-1.6
	100		0.4-0.6	0-1.6
40	63	35	0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
	100		0.4-0.7	0-1.6
50	63	45	0.4-0.6	0-1.6
	80		0.4-0.6	0-1.6
	100		0.4-0.6	0-1.6
65	100	59	0.4-0.6	0-1.6
80	125	76	0.4-0.6	0-1.2



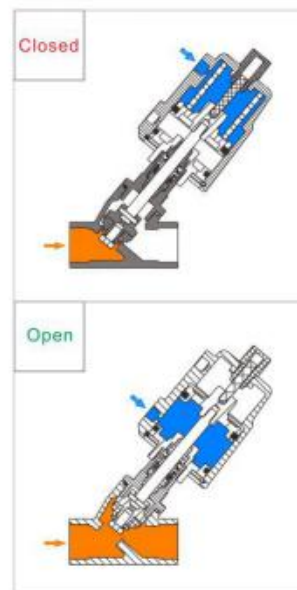
Normal Open—Up stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	≥ 0.3	0-0.6
	40		≥ 0.3	0-1.6
	50		≥ 0.3	0-1.6
15	32	13	≥ 0.3	0-0.6
	40		≥ 0.3	0-1.6
	50		≥ 0.3	0-1.6
20	40	17	≥ 0.3	0-1.6
	50		≥ 0.3	0-1.6
	63		≥ 0.4	0-1.6
25	40	24	≥ 0.4	0-0.6
	50		≥ 0.4	0-1.2
	63		≥ 0.45	0-1.6
32	80	30	≥ 0.45	0-1.6
	63		≥ 0.45	0-1.6
	100		≥ 0.45	0-1.6
40	63	35	≥ 0.45	0-0.8
	80		≥ 0.45	0-1.6
	100		≥ 0.45	0-1.6
50	63	45	≥ 0.45	0-0.8
	80		≥ 0.45	0-1.6
	100		≥ 0.45	0-1.6
65	100	59	≥ 0.45	0-0.8
80	125	76	≥ 0.45	0-0.8



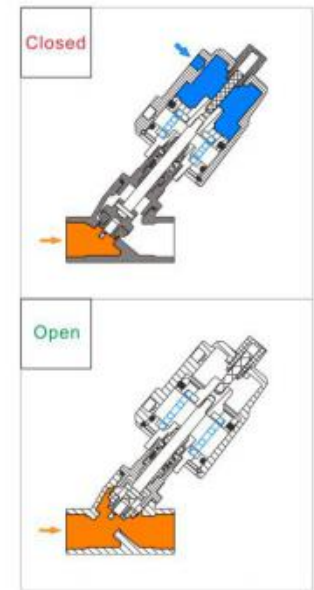
Double-acting Free status—Down stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	≥ 0.2	0-0.8
	40		≥ 0.3	0-1.6
	50		≥ 0.4	0-1.6
15	32	13	≥ 0.2	0-0.8
	40		≥ 0.3	0-1.6
	50		≥ 0.4	0-1.6
20	40	17	≥ 0.4	0-1.6
	50		≥ 0.4	0-1.6
	63		≥ 0.4	0-1.6
25	40	24	0.4-0.6	0-0.8
	50		0.4-0.6	0-1.6
	63		0.4-0.6	0-1.6
32	63	30	0.4-0.6	0-0.8
	80		0.4-0.7	0-1.6
	100		0.4-0.6	0-1.6
40	63	35	0.4-0.6	0-0.8
	80		0.35-0.6	0-1.6
	100		0.4-0.6	0-1.6
50	63	45	0.4-0.6	0-0.8
	80		0.4-0.6	0-1.6
	100		0.45-0.65	0-1.6
65	100	59	0.3-0.6	0-0.8
80	125	76	0.5-0.7	0-0.4



Normal Open—Down stream

DN	Actuator(mm)	Inner bore(mm)	Controlling pressure (MPa)	Pressure range (MPa)
10	32	11	0.3-0.6	0-0.6
	40		0.3-0.6	0-1.6
	50		0.3-0.6	0-1.6
15	32	13	0.3-0.6	0-0.6
	40		0.3-0.6	0-1.6
	50		0.3-0.6	0-1.6
20	40	17	0.3-0.6	0-1.6
	50		0.3-0.6	0-1.6
	63		0.3-0.6	0-1.6
25	40	24	0.4-0.6	0-0.6
	50		0.4-0.6	0-1.2
	63		0.4-0.6	0-1.6
32	80	30	0.4-0.6	0-1.6
	63		0.4-0.6	0-0.8
	100		0.4-0.7	0-1.6
40	63	35	0.4-0.6	0-0.8
	80		0.4-0.7	0-1.6
	100		0.4-0.7	0-1.6
50	63	45	0.4-0.7	0-0.8
	80		0.4-0.7	0-1.6
	100		0.4-0.7	0-1.6
65	100	59	0.4-0.7	0-0.8
80	125	76	0.4-0.7	0-0.8



Angle Seat Valve with Indicator



Technical Parameter

Working pressure: 0–1.6MPa (0–232psi)
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: –29°C~+200°C
 Environment temperature: –10°C~+80°C
 Connection: Thread, welding, flange, tri–clamp
 A :upstream installation /B: downstream installation
 Leakage class: DIN EN 12266 A class
 Power supply: 24V DC ± 10%, ≥1A. Switching power supplies are recommended.
 Power consumption: < 5W
 Input impedance of setting signal: 120Ω

Working Principle

Angle seat valve with limit switch: Limit switch detecting valve open or close, signal transfer to console.
 Proportion Regulating Angle Seat Valve: Positioner work with regulating cone result in precise fluid adjustment.

Features

1. Easy adjusting and easy operating.
2. Base on mult testing, the adjustment cone establishes a linear change relationship during open and closed stroke and flow, which can be adjusted precisely.



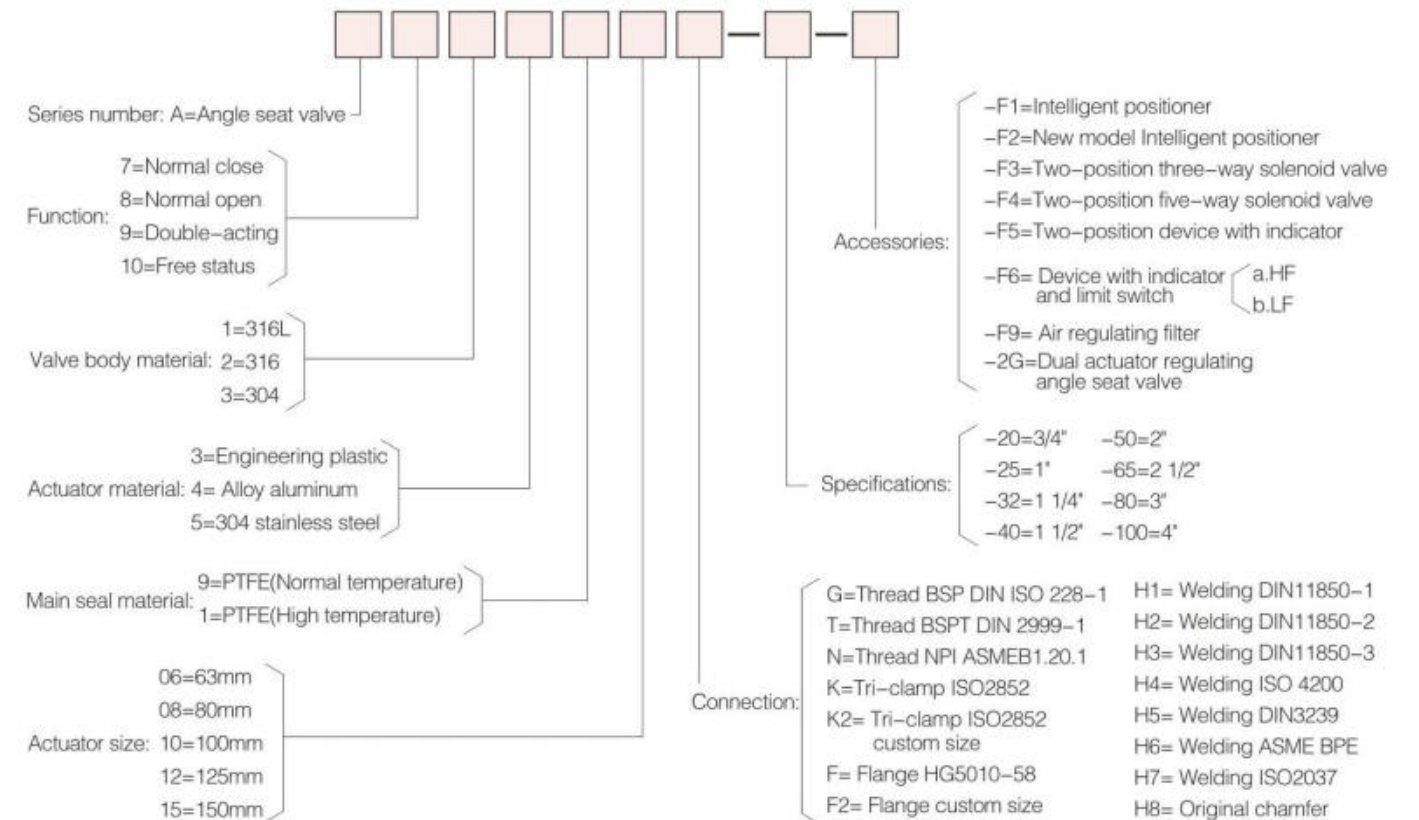
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high–temperature sterilization, washing machine, etc.

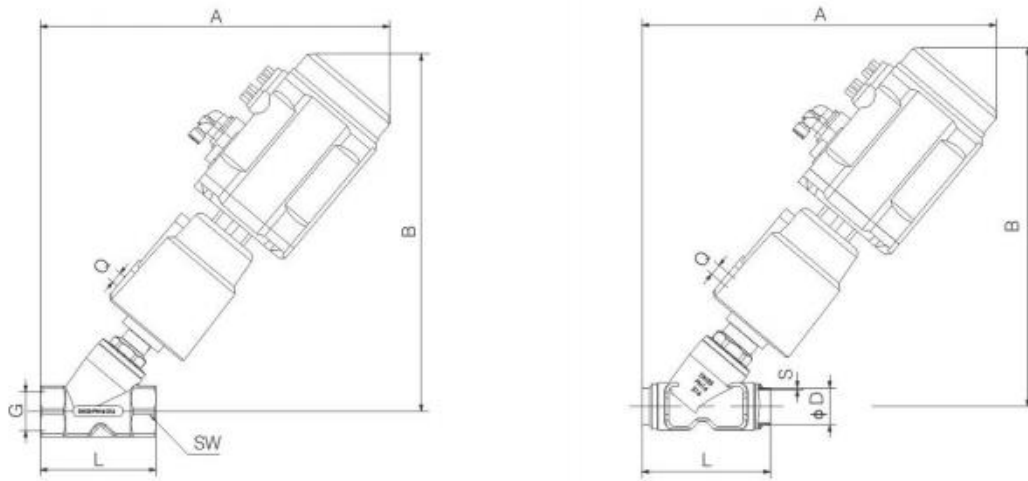
Proportion Regulating Angle Seat Valve



Order Guide



Proportion Regulating Angle Seat Valve



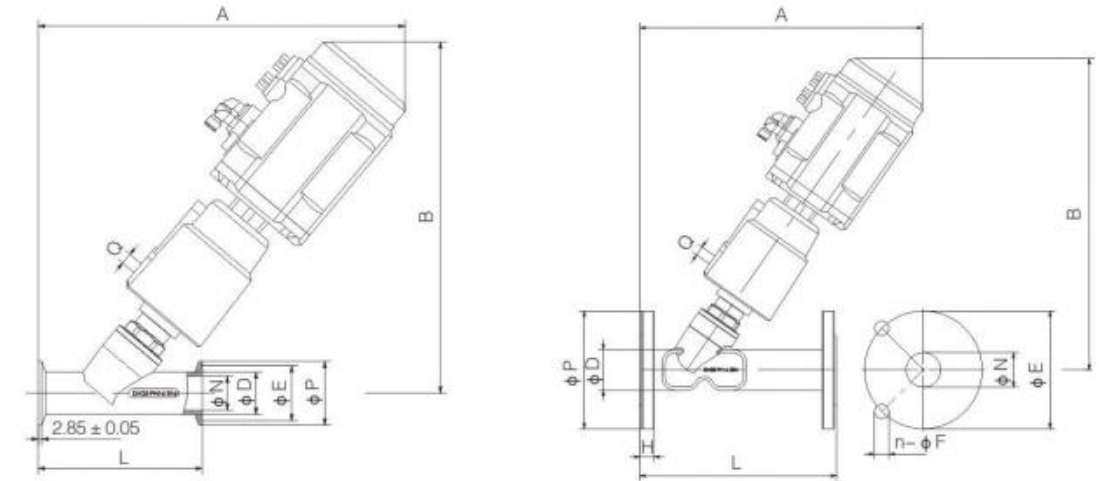
Thread standards: customized to customer requirements.

Thread Intelligent Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	G	SW
DN20	63	260	277	1/8"	76	3/4"	32
DN25	63	273	284	1/8"	91	1"	39
	80	278	291	1/8"			
DN32	63	297	304	1/8"	116	1 1/4"	49
	80	323	322	1/8"			
	100	343	345	1/4"			
DN40	63	299	308	1/8"	116	1 1/2"	55
	80	313	320	1/8"			
	100	395	349	1/4"			
DN50	63	318	321	1/8"	138	2	68
	80	328	330	1/8"			
	100	361	361	1/4"			
DN65	100	363	365	1/4"	168	2 1/2"	85
DN80	125	408	415	1/4"	192	3	100

Welding Intelligent Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B
DN20	63	265	277
DN25	63	278	286
	80	284	293
DN32	63	302	305
	80	308	312
	100	324	331
DN40	63	304	305
	80	310	313
	100	326	332
DN50	63	320	315
	80	328	323
	100	343	342
DN65	100	383	395
DN80	125	423	440
DN100	150	420	454



The tri-clamp connector standard is ISO 2852 for stainless steel and aluminum actuator.

Tri-clamp Intelligent Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

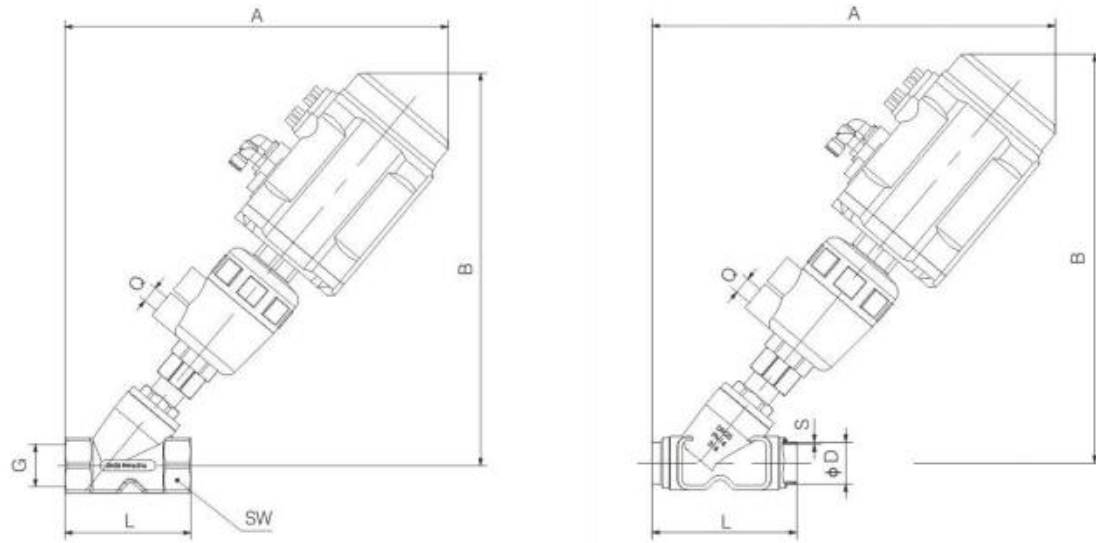
Specifications	Actuator(mm)	A	B	Q	L	ΦD	ΦE	ΦN	ΦP
DN20	63	276	270	1/8"	111	24	43.5	20	50.5
DN25	63	289	282	1/8"	130	32	43.5	27	50.5
	80	313	295	1/8"					
DN32	63	313	300	1/8"	140	38	43.5	32	50.5
	80	333	312	1/8"					
	100	357	345	1/4"					
DN40	63	328	302	1/8"	160	46	56.5	40	64
	80	327	309	1/8"					
	100	368	348	1/4"					
DN50	63	343	315	1/8"	175	57	70.5	50	77.5
	80	353	330	1/8"					
	100	383	355	1/4"					
DN65	100	403	400	1/4"	246	76	83.5	72	91
DN80	125	438	435	1/4"	263	89	97	83	106

Note: This form is regular length and can be shortened or lengthened as required by the customer. Flange standard: HG5010-58

Flange Intelligent Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	ΦD	ΦE	ΦN	n-ΦF	ΦP	H
DN20	63	263	292	1/8"	176	31	75	26	4-14	102	13.5
DN25	63	269	303	1/8"	188	39	85	33	4-14	112	13.5
	80	269	311	1/8"							
DN32	63	301	327	1/8"	200	45	100	39	4-18	132	14.5
	80	318	337	1/8"							
	100	314	362	1/4"							
DN40	63	313	323	1/8"	223	52	110	46	4-18	142	15.5
	80	318	332	1/8"							
	100	314	362	1/4"							
DN50	63	313	337	1/8"	230	66	125	59	4-18	157	16
	80	327	342	1/8"							
	100	353	372	1/4"							
DN65	100	393	389	1/4"	235	88	145	78	4-18	177	17
DN80	125	393	427	1/4"	258	102	160	91	8-18	192	18

Proportion Regulating Angle Seat Valve



Thread standard: Customized to customer requirements.

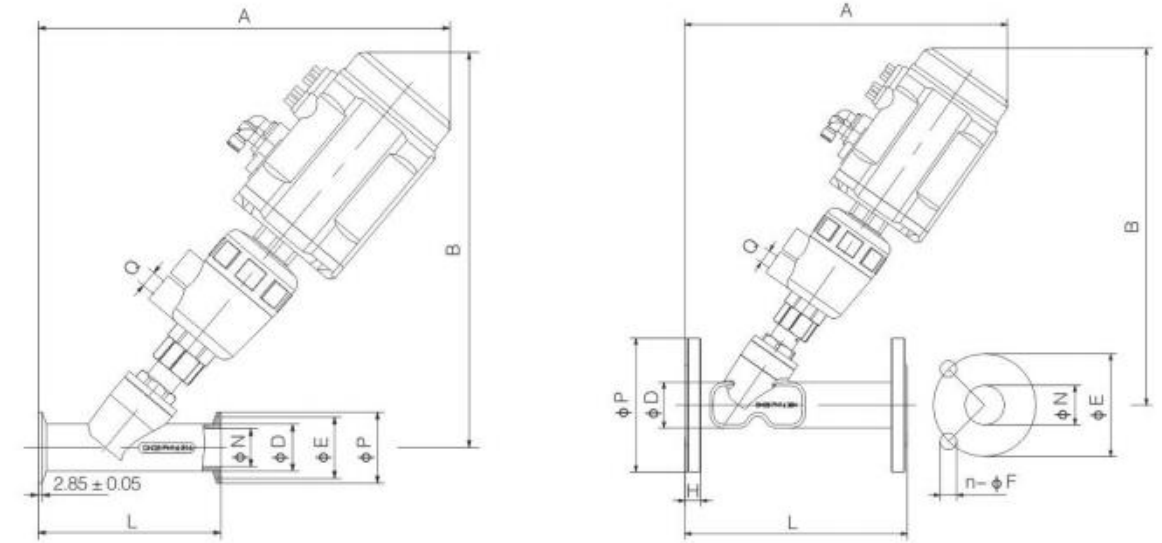
Thread Intelligent Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	G	SW
DN10	50	258	281	1/4"	55	3/8"	21
DN15	50	266	284	1/4"	70	1/2"	26
DN20	50	271	289	1/4"	76	3/4"	32
	63	292	310	1/4"			
DN25	50	282	297	1/4"	91	1"	40
	63	313	318	1/4"			
DN32	63	326	337	1/4"	116	1 1/4"	49
DN40	63	326	339	1/4"	116	1 1/2"	55
	80	348	353	1/4"			
DN50	80	368	361	1/4"	138	2"	68

Note: The two standard A,B,L sizes of ASME BPE and ISO 2037 refer to the smaller one. For example: The Specifications for DN25 shall refer to DN20.

Welding Intelligent Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	L	Original chamfer	
					ΦD	S
DN10	50	268	279	55	16	4
DN15	50	275	284	70	25	5.5
DN20	50	280	291	82	31	6
	63	303	309			
DN25	50	293	296	100	37	6
	63	313	315			
DN32	63	338	336	126	46	7.5
DN40	63	338	338	130	53	8
	80	350	351			
DN50	80	368	361	157	66	10



Tri-clamp standard: ISO2858

Tri-clamp Intelligent Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

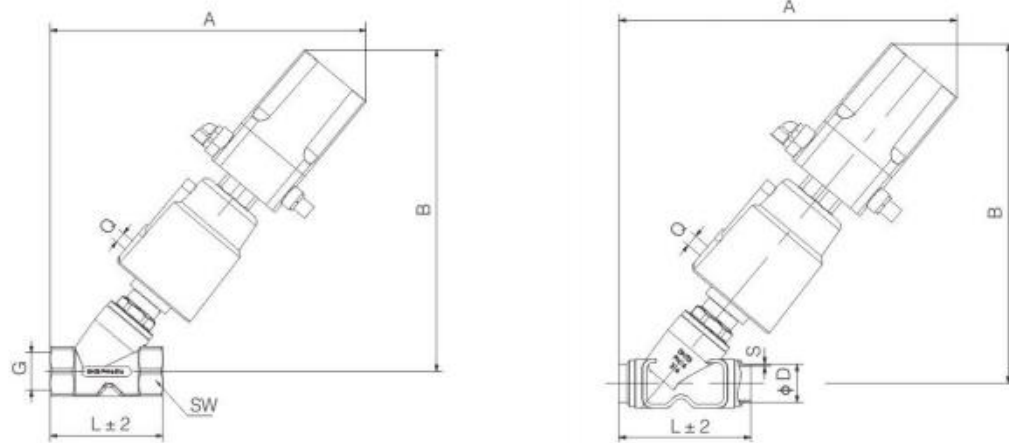
Specifications	Actuator(mm)	A	B	Q	L	ΦD	ΦE	ΦN	ΦP
DN15	50	288	281	1/4"	100	19	43.5	15	50.5
DN20	50	288	291	1/4"	111	24	43.5	20	50.5
	63	303	311	1/4"					
DN25	50	301	292	1/4"	130	32	43.5	27	50.5
	63	328	316	1/4"					
DN32	63	348	330	1/4"	140	38	43.5	32	50.5
	80	368	356	1/4"					
DN40	63	358	334	1/4"	160	46	56.5	40	64
	80	373	361	1/4"					
DN50	80	388	371	1/4"	175	57	70.5	50	77.5

Note: This form is of regular length and can be shortened or lengthened as required by the customer.

Flange Intelligent Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	L	ΦD	ΦE	ΦN	n-ΦF	ΦP	H
DN15	50	265	304	159	24	65	19	4-14	92	11
DN20	50	276	306	176	31	75	26	4-14	102	13.5
	63	293	329							
DN25	50	283	314	188	39	85	33	4-14	112	13.5
	63	308	344							
DN32	63	323	361	200	45	100	39	4-18	132	14.5
	80	340	379							
DN40	63	328	356	223	52	110	46	4-18	142	15.5
	80	348	372							
DN50	80	358	384	230	66	125	59	4-18	157	16

Proportion Regulating Angle Seat Valve



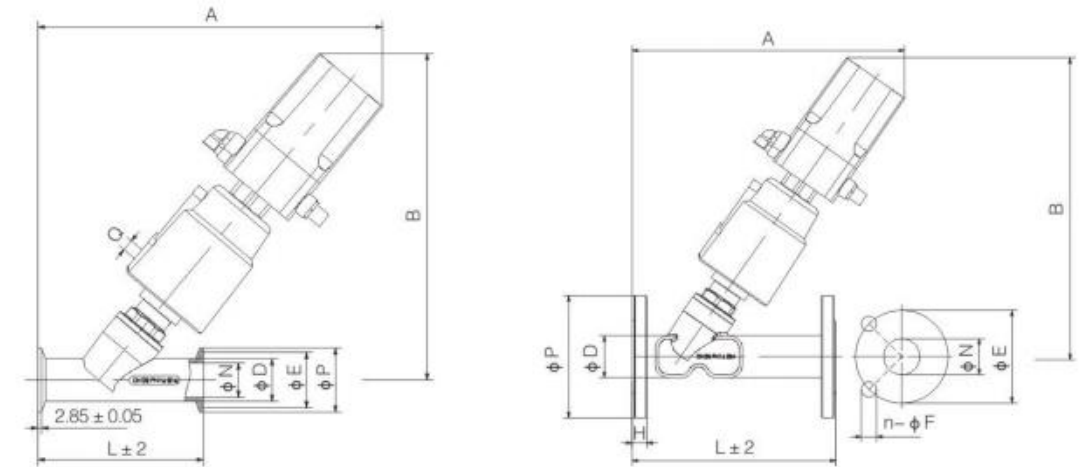
Thread standard: Customized to customer requirements.

Thread New Model Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	G	SW
DN20	63	242	257	1/8"	76	3/4"	32
DN25	63	255	264	1/8"	91	1"	39
	80	260	271	1/8"			
DN32	63	279	284	1/8"	116	1 1/4"	49
	80	305	302	1/8"			
	100	325	325	1/4"			
DN40	63	281	288	1/8"	116	1 1/2"	55
	80	295	300	1/8"			
	100	377	329	1/4"			
DN50	63	300	301	1/8"	138	2	68
	80	310	310	1/8"			
	100	343	341	1/4"			
DN65	100	345	345	1/4"	168	2 1/2"	85
DN80	125	390	395	1/4"	192	3	100

Welding New Model Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B
DN20	63	247	257
DN25	63	260	266
	80	266	273
DN32	63	284	285
	80	290	292
	100	306	311
DN40	63	286	285
	80	292	293
	100	308	312
DN50	63	302	295
	80	310	303
	100	325	322
DN65	100	365	375
DN80	125	405	420
DN100	150	402	434



The tri-clamp connector standard is ISO 2852 for stainless steel or aluminum actuator.

Tri-clamp New Model Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

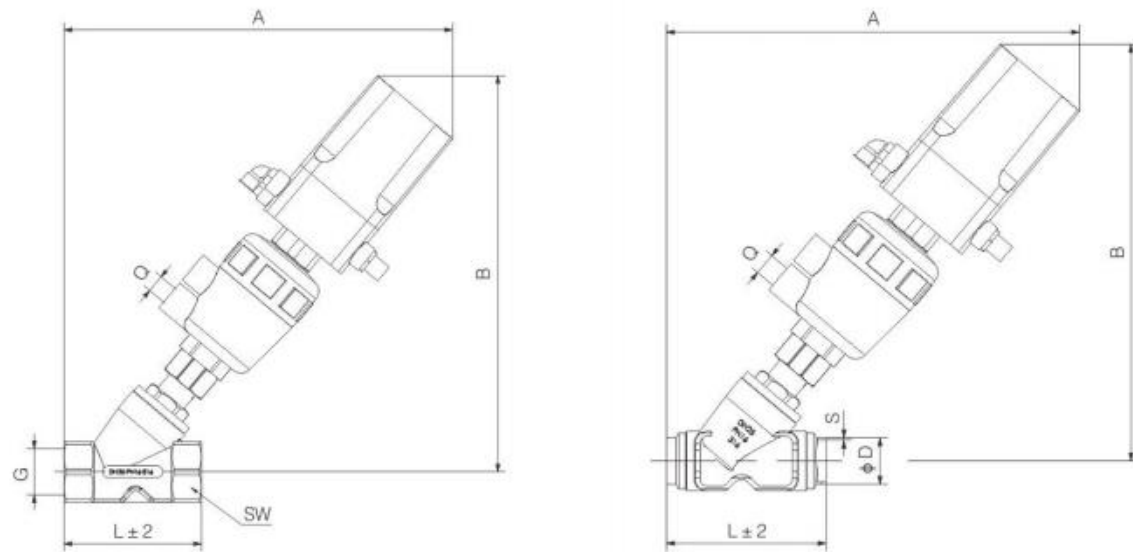
Specifications	Actuator(mm)	A	B	Q	L	ΦD	ΦE	ΦN	ΦP
DN20	63	258	250	1/8"	111	24	43.5	20	50.5
DN25	63	271	262	1/8"	130	32	43.5	27	50.5
	80	295	275	1/8"					
DN32	63	295	280	1/8"	140	38	43.5	32	50.5
	80	315	292	1/8"					
	100	339	325	1/4"					
DN40	63	310	282	1/8"	160	46	56.5	40	64
	80	309	289	1/8"					
	100	350	328	1/4"					
DN50	63	325	295	1/8"	175	57	70.5	50	77.5
	80	335	310	1/8"					
	100	365	335	1/4"					
DN65	100	385	380	1/4"	246	76	83.5	72	91
DN80	125	420	415	1/4"	263	89	97	83	106

Note: This form is of regular length and can be shortened or lengthened as required by the customer.
Flange standard: HG5010-58

Flange New Model Proportion Regulating Angle Seat Valve (Stainless Steel Actuator/Aluminum Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	ΦD	ΦE	ΦN	n-ΦF	ΦP	H
DN20	63	245	270	1/8"	176	31	75	26	4-14	102	13.5
	63	251	281	1/8"	188	39	85	33	4-14	112	13.5
DN25	80	251	289	1/8"	200	45	100	39	4-18	132	14.5
	63	283	305	1/8"							
DN32	63	295	301	1/8"	223	52	110	46	4-18	142	15.5
	80	300	310	1/8"							
	100	296	340	1/4"							
DN40	63	295	315	1/8"	230	66	125	59	4-18	157	16
	80	309	320	1/8"							
	100	335	350	1/4"							
DN65	100	375	367	1/4"	235	88	145	78	4-18	177	17
DN80	125	375	405	1/4"	258	102	160	91	8-18	192	18

Proportion Regulating Angle Seat Valve



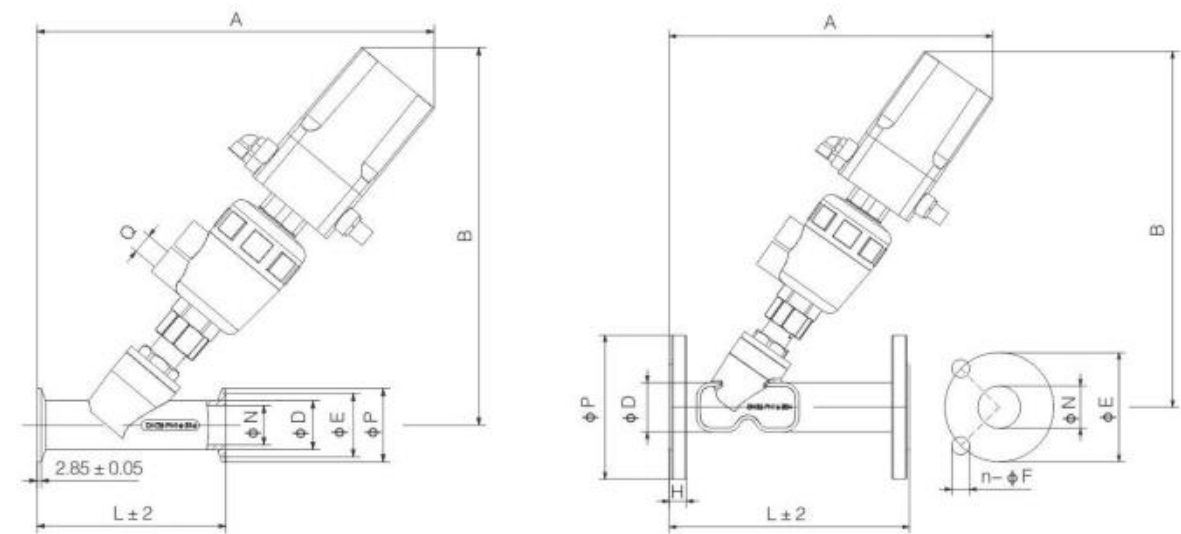
Thread standard: Customized to customer requirements.

Thread New Model Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	G	SW
DN10	50	240	260	1/4"	55	3/8"	21
DN15	50	248	263	1/4"	70	1/2"	26
DN20	50	253	268	1/4"	76	3/4"	32
	63	274	289	1/4"			
DN25	50	264	276	1/4"	91	1"	40
	63	295	297	1/4"			
DN32	63	308	316	1/4"	116	1 1/4"	49
DN40	63	308	318	1/4"	116	1 1/2"	55
	80	330	332	1/4"			
DN50	80	350	340	1/4"	138	2"	68

Welding New Model Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	L	Original chamfer	
					ϕD	S
DN10	50	250	258	55	16	4
DN15	50	257	263	70	25	5.5
DN20	50	262	270	82	31	6
	63	285	288			
DN25	50	275	275	100	37	6
	63	295	294			
DN32	63	320	315	126	46	7.5
DN40	63	320	317	130	53	8
	80	332	330			
DN50	80	350	340	157	66	10



Tri-clamp standard: ISO2852

Tri-clamp New Model Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	Q	L	ϕD	ϕE	ϕN	ϕP
DN15	50	270	260	1/4"	100	19	43.5	15	50.5
DN20	50	270	270	1/4"	111	24	43.5	20	50.5
	63	285	290	1/4"					
DN25	50	283	271	1/4"	130	32	43.5	27	50.5
	63	310	295	1/4"					
DN32	63	330	309	1/4"	140	38	43.5	32	50.5
	80	350	335	1/4"					
DN40	63	340	313	1/4"	160	46	56.5	40	64
	80	355	340	1/4"					
DN50	80	370	350	1/4"	175	57	70.5	50	77.5

Flange New Model Proportion Regulating Angle Seat Valve (Plastic Actuator)—Specifications

Specifications	Actuator(mm)	A	B	L	ϕD	ϕE	ϕN	n-ϕF	ϕP	H
DN15	50	247	281	159	24	65	19	4-14	92	11
DN20	50	258	283	176	31	75	26	4-14	102	13.5
	63	275	306							
DN25	50	265	291	188	39	85	33	4-14	112	13.5
	63	290	321							
DN32	63	305	338	200	45	100	39	4-18	132	14.5
	80	322	356							
DN40	63	310	333	223	52	110	46	4-18	142	15.5
	80	330	349							
DN50	80	340	361	230	66	125	59	4-18	157	16

Manual Angle Seat Valve

Manual Thread Angle Seat Valve



Manual Welding Angle Seat Valve



Manual Tri-clamp Angle Seat Valve



Manual Flange Angle Seat Valve



Technical Parameter

Working pressure: 0–1.6MPa (0–232psi)
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: –29°C~+200°C
 Environment temperature: –10°C~+80°C
 Connection: Thread, welding, flange, tri–clamp
 A: up stream installation / B: down stream installation
 Leakage class: DIN EN 12266 A class

Working Principle

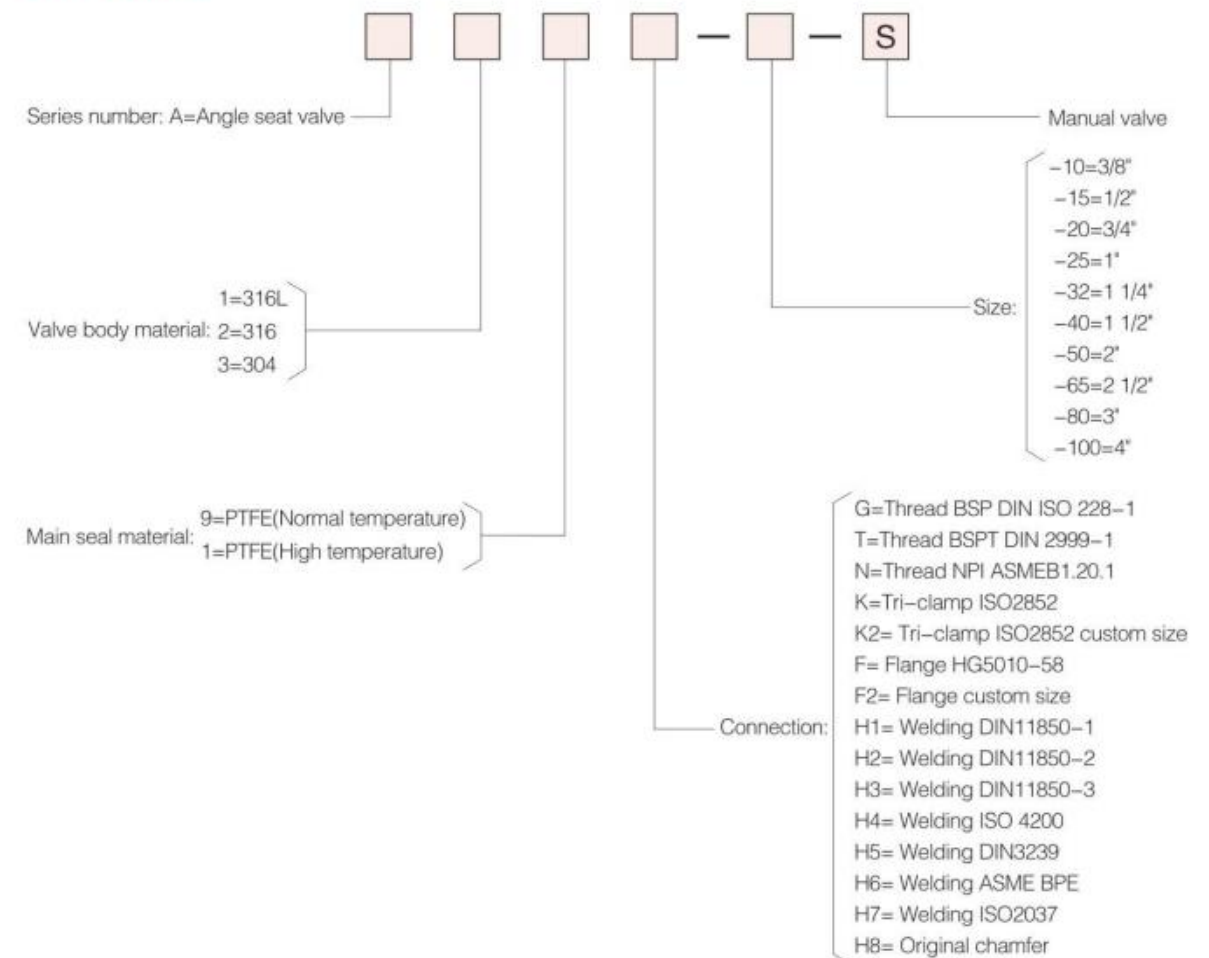
Controlling valve switch by hand wheel.



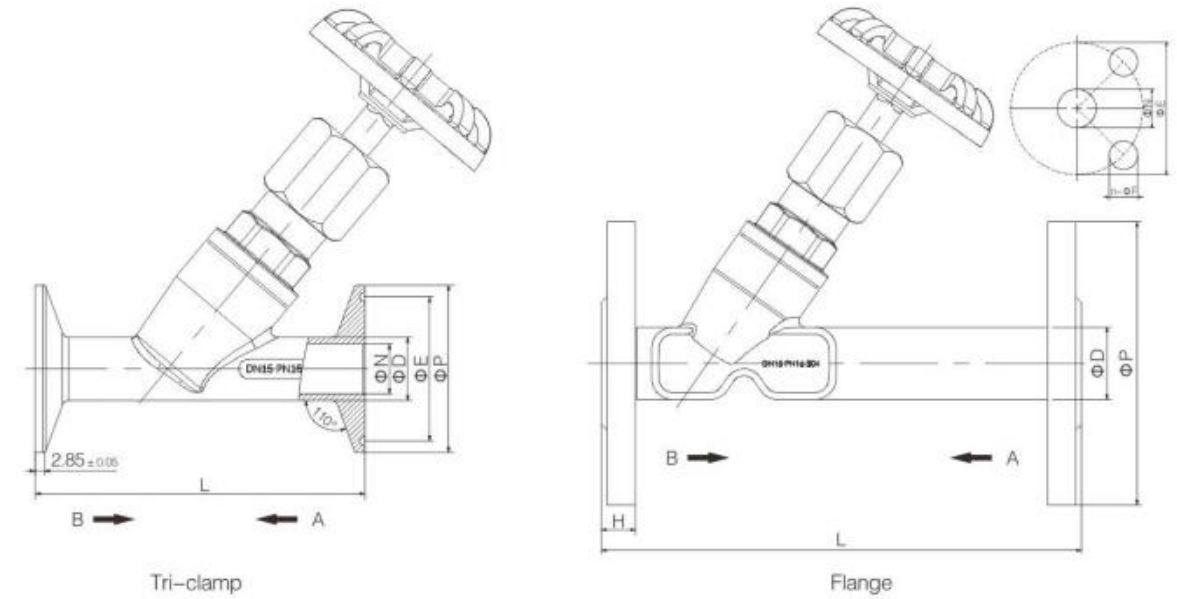
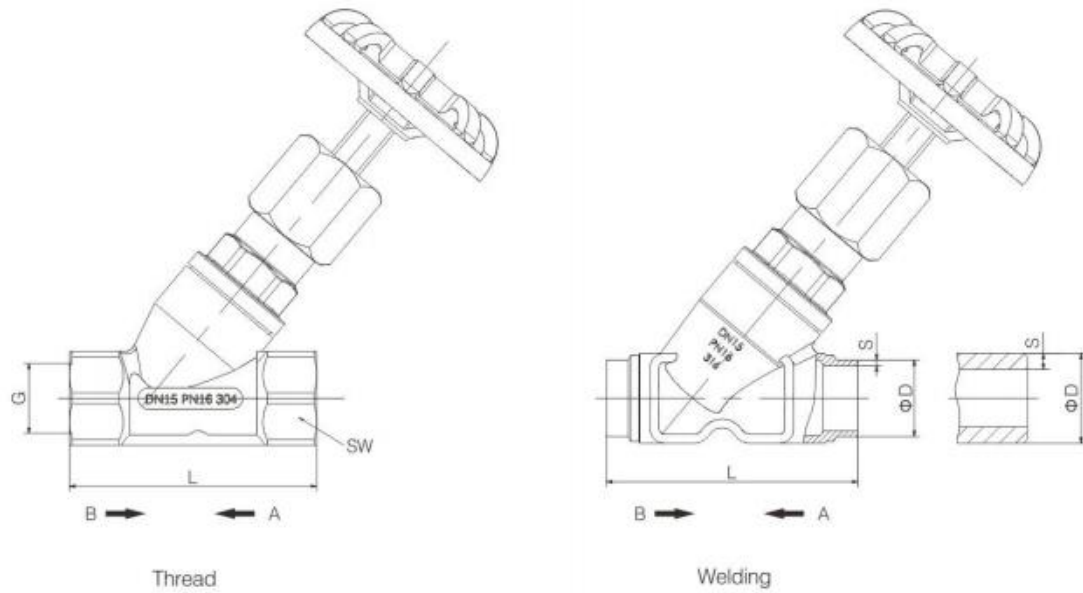
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high–temperature sterilization, washing machine, etc.

Order Guide



Manual Angle Seat Valve



Manual Thread Angle Seat Valve—Specifications

DN	L	G	SW
10	55	3/8"	21
15	70	1/2"	26
20	76	3/4"	32
25	91	1"	40
32	116	1 1/4"	49
40	116	1 1/2"	55
50	138	2	68
60	168	2 1/2"	85
80	192	3	100

Manual Tri-clamp Angle Seat Valve—Specifications

DN	L	ΦD	ΦE	ΦN	ΦP
15	100	19	43.5	15	50.5
20	111	24	43.5	20	50.5
25	130	32	43.5	27	50.5
32	140	38	43.5	32	50.5
40	160	46	56.5	40	64
50	175	57	70.5	50	77.5
65	246	76	83.5	72	91
80	263	89	97	82	106
100	346	103	110	97	119

Manual Welding Angle Seat Valve—Specifications

DN	L	Original chamfer		DIN11850-1		DIN11850-2		DIN11850-3		ISO4200		DIN3239		ASME BPE		ISO2037	
		ΦD	S	ΦD	S	ΦD	S	ΦD	S	ΦD	S	ΦD	S	ΦD	S	ΦD	S
10	55	16	4	12	1	13	1.5	14	2	13.5	1.6	/	/	9.53	0.89	/	/
15	70	25	5.5	18	1	19	1.5	20	2	21.3	1.6	21.3	2	12.7	1.65	/	/
20	82	31	6	22	1	23	1.5	24	2	26.9	1.6	26.9	2.3	19.1	1.65	/	/
25	100	37	6	28	1	29	1.5	30	2	33.7	2	33.7	2.6	25.4	1.65	25	1.2
32	126	46	7.5	34	1	35	1.5	36	2	42.4	2	/	/	/	/	31.8	1.2
40	130	53	8	40	1	41	1.5	42	2	48.3	2	48.3	2.6	38.1	1.65	38	1.2
50	157	66	10	52	1	53	1.5	54	2	60.3	2	60.3	3.2	50.8	1.65	51	1.2
65	204	88	14	/	/	70	2	/	/	76.1	2.3	76.1	3.6	63.5	1.65	/	/
80	222	102	16	/	/	85	2	/	/	88.9	2.3	88.9	4	76.2	1.65	/	/
100	277	122	11.5	/	/	104	2	/	/	114.3	2.6	114.3	5	101.6	2.11	/	/

Manual Flange Angle Seat Valve—Specifications

DN	L	ΦD	ΦE	ΦN	n-ΦF	ΦP	H
15	159	24	65	19	4-φ14	92	11
20	176	31	75	26	4-φ14	102	13.5
25	188	39	85	33	4-φ14	112	13.5
32	200	45	100	39	4-φ18	132	14.5
40	223	52	110	46	4-φ18	142	15.5
50	230	66	125	59	4-φ18	157	16
65	235	88	145	78	4-φ18	177	17.5
80	258	102	160	91	8-φ18	192	18
100	302	122	180	110	8-φ18	215	26



Three-way Angle Seat Valve



Thread Stainless Steel Three-way Angle Seat Valve



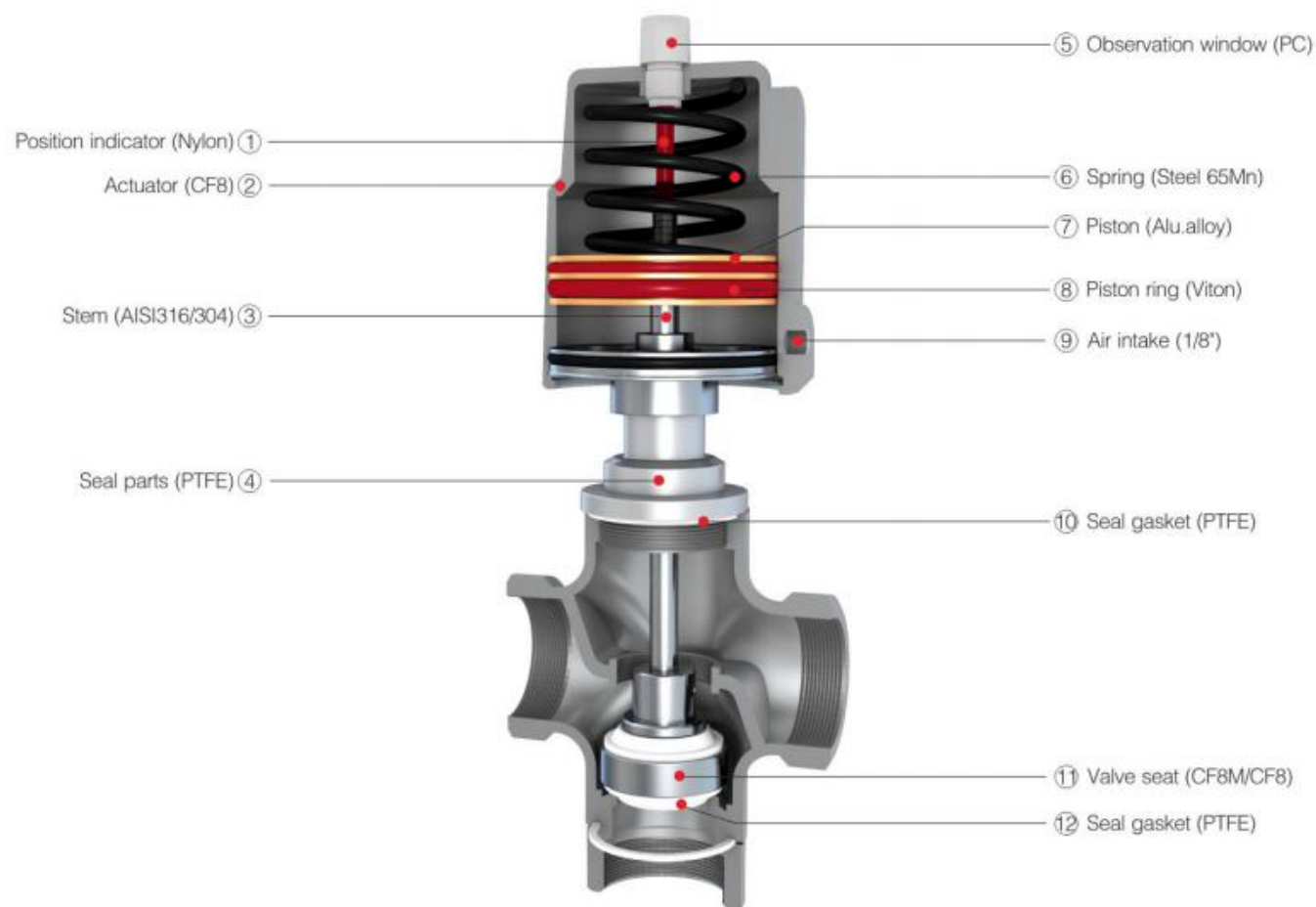
Tri-clamp Stainless Steel Three-way Angle Seat Valve



Thread Aluminum Three-way Angle Seat Valve



Tri-clamp Aluminum Three-way Angle Seat Valve



Technical Parameter

Working pressure: 0-1.6MPa (0-232psi)
 Controlling pressure: 0.3-0.8MPa (43.5-116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: -29°C~+200°C
 Environment temperature: -10°C~+80°C
 Connection: Thread, flange, tri-clamp
 Leakage class: DIN EN 12266 A class

Features

1. Position indicator: The limit switch and emergency manual are adaptable.
2. Easy installation: Actuator 360° rotated free.
3. Variety control mode: Single-acting, Double-acting, Free status
4. Automatically position correction, Self-lubricating PTFE seal, maintenance-free, good stability.
5. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
6. Easy installation.
8. Start frequently for a short time, high sensitivity.

Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.



Three-way Angle Seat Valve

Flange Aluminum Three-way Angle Seat Valve



Flange Aluminum Three-way Angle Seat Valve

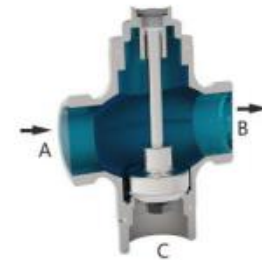
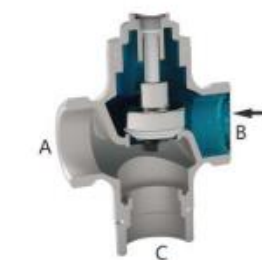
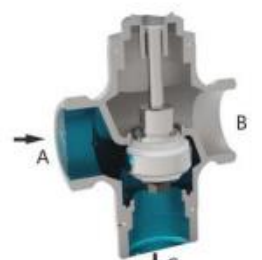
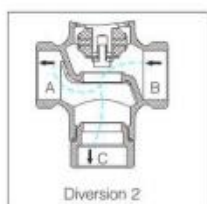
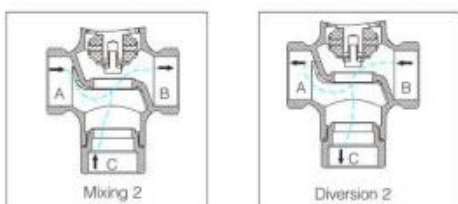
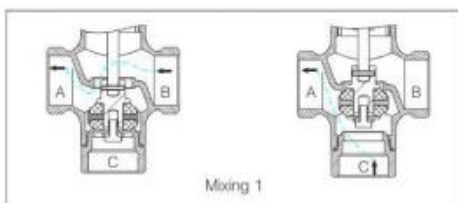


Roughness Standard of Inner Wall Polishing

Ra	Internal surface
0.4	Smooth-surface
0.2	Varnish
0.1	Mirror surface

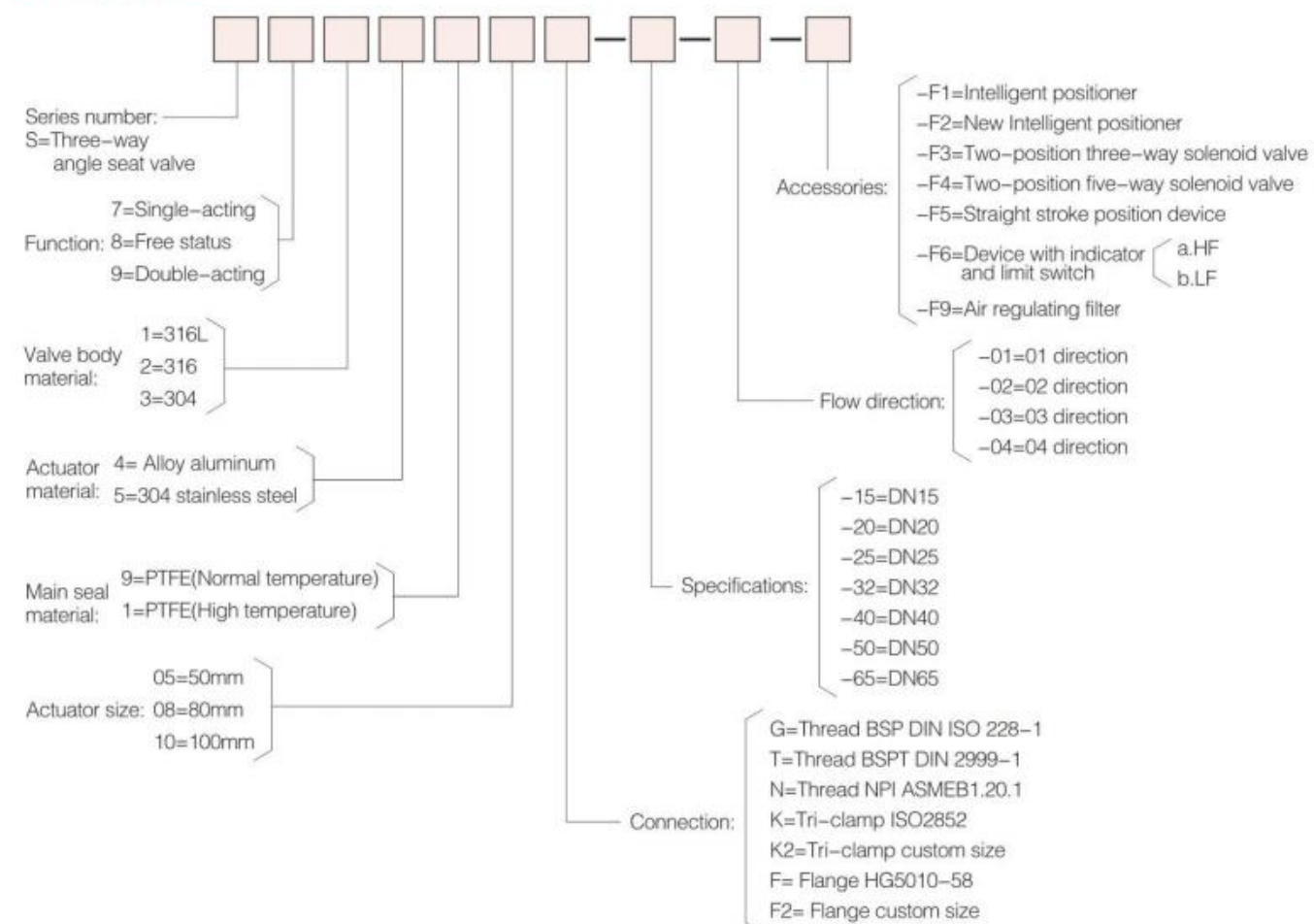
Better roughness can reduce the residue, and better applicable to medicine, food and other industries.

Flow Diagram



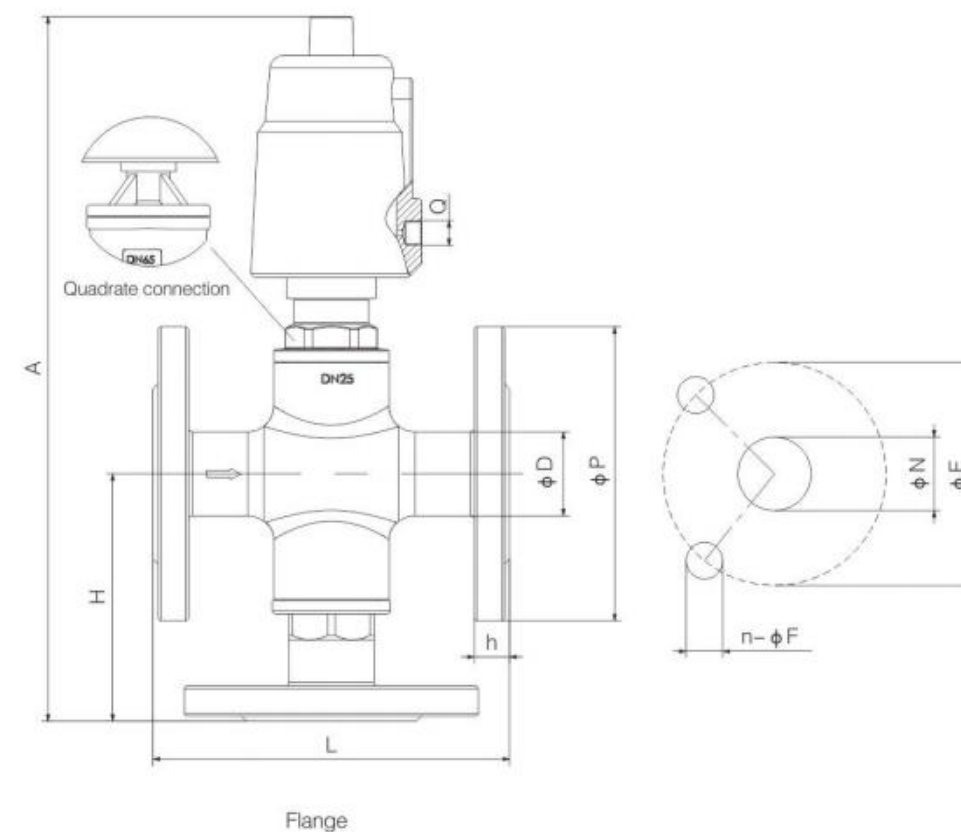
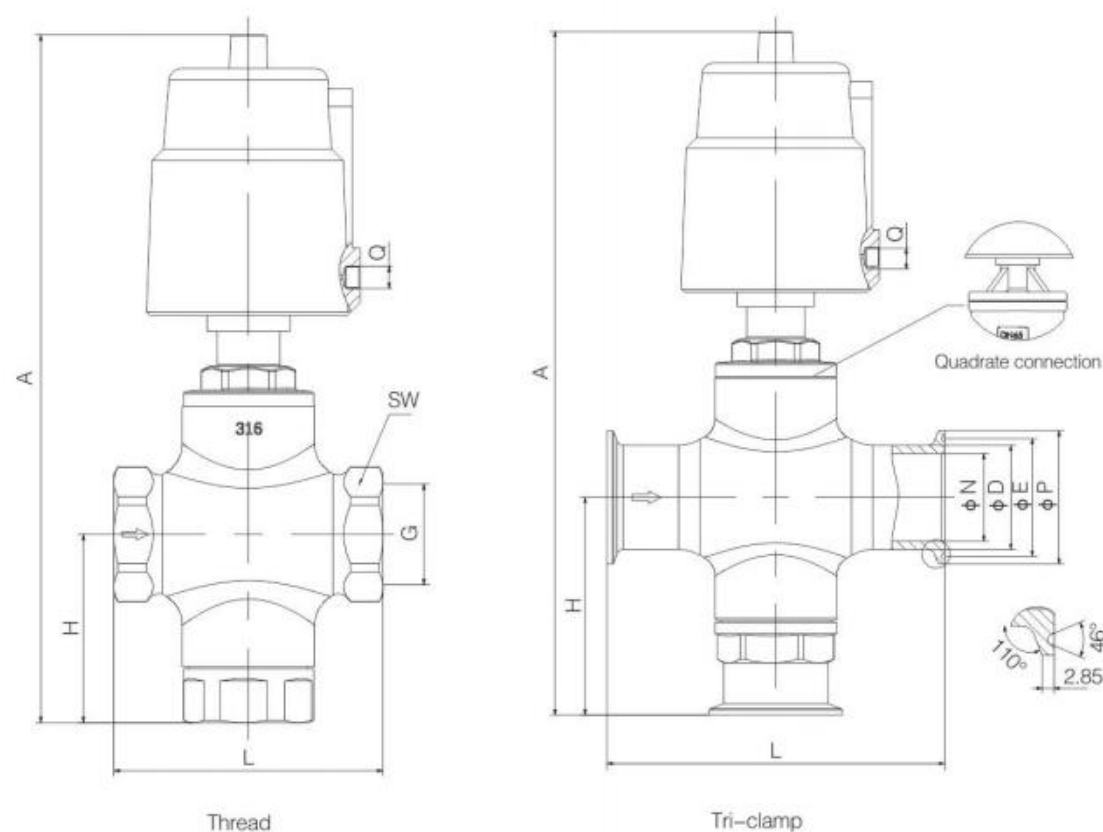
Flow direction 01: In the non-working status, C is normal close when the action of spring force, AB circulation, when the actuator is compressed by air, C on, B off, AC circulation.
 Flow direction 02: In the non-working status, when the action of spring force B normal close, AC circulation, when the actuator is compressed by air, B on, C off, AB circulation.
 Flow direction 03: In the non-working status, B is normal close at top when action of spring force, B A C are all circulating when the actuator is compressed by air.
 Flow direction 04: In the non-working status, when the action of spring force C normal close, AB circulation, when the actuator is compressed by air, seal move up, A B C are all circulation. (AB straight through)

Order Guide





Three-way Angle Seat Valve



Thread Three-way Angle Seat Valve—Specifications

DN	Actuator (mm)	A	Q	L	G	H	SW
15	50	222	1/8"	74	1/2"	62	32
20	50	222	1/8"	74	3/4"	62	32
25	50	241	1/8"	93	1"	68	40
32	80	306	1/8"	120	1 1/4"	84	54
40	80	306	1/8"	120	1 1/2"	84	54
50	80	330	1/8"	137	2"	95	67

Flange Three-way Angle Seat Valve—Specifications

DN	Actuator (mm)	A	Q	L	H	φD	φP	φN	φE	h	n-φF
15	50	249	1/8"	127	89	26	92	19	65	11	4-14
20	50	252	1/8"	129	91	26	102	26	75	13.5	4-14
25	50	269	1/8"	136	94	32	112	33	85	13.5	4-14
32	80	339	1/8"	183	115	40	132	39	100	14.5	4-18
40	80	339	1/8"	183	115	50	142	46	110	15.5	4-18
50	80	357	1/8"	198	126	60	157	59	125	16	4-18
65	100	410	1/4"	215	125	88	177	78	145	17	4-18

Tri-clamp Three-way Angle Seat Valve—Specifications

DN	Actuator (mm)	A	Q	L	H	φN	φD	φE	φP
15	50	245	1/8"	114	84	21	26	43.5	50.5
20	50	245	1/8"	114	84	21	26	43.5	50.5
25	50	261	1/8"	121	87	27	32	43.5	50.5
32	80	330	1/8"	164	105	34	40	43.5	50.5
40	80	330	1/8"	164	105	42	50	56.5	64
50	80	352	1/8"	179	115	52	60	70.5	77.5
65	100	415	1/4"	224	128	70	76	83.5	91



Vertical Three-way Angle Seat Valve

Tri-clamp Stainless Steel Actuator Vertical Three-way Valve



Tri-clamp Aluminum Actuator Vertical Three-way Valve



Technical Parameter

Working pressure: 0–1.6MPa (0–232psi)
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Controlling medium: air/neutral gas
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Connection: Thread, flange, fast installation
 Leakage class: DIN EN 12266 A class

Working Principle

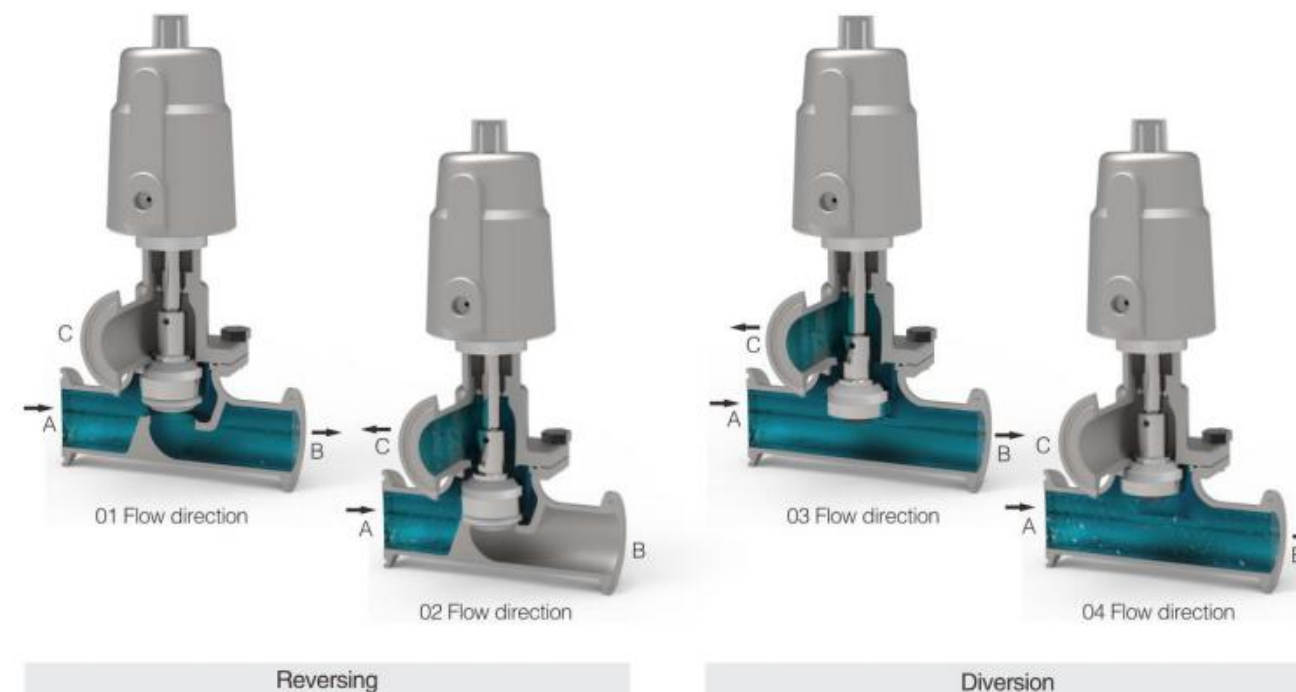
The pneumatic three-way valve, which can replace the three-way ball valve to achieve vertical diversion or mixing function, the performance is much better than ball valve, also is a option to work as combine to angle seat valve.
 Flow direction 01: In the non-working status, C is normal close when the action of spring force, AB circulation, when the actuator is compressed by air, C on, B off, AC circulation.
 Flow direction 02: In the non-working status, when the action of spring force B normal close, AC circulation(AC vertical), when the actuator is compressed by air, B on, C off, AB circulation.
 Flow direction 03: In the non-working status, when the action of spring force A B C are all circulation, when the actuator is compressed by air, B on, C off, AB circulation.
 Flow direction 04: In the non-working status, when the action of spring force C normal close, AB circulation, when the actuator is compressed by air, C open, A B C are all circulation.

Features

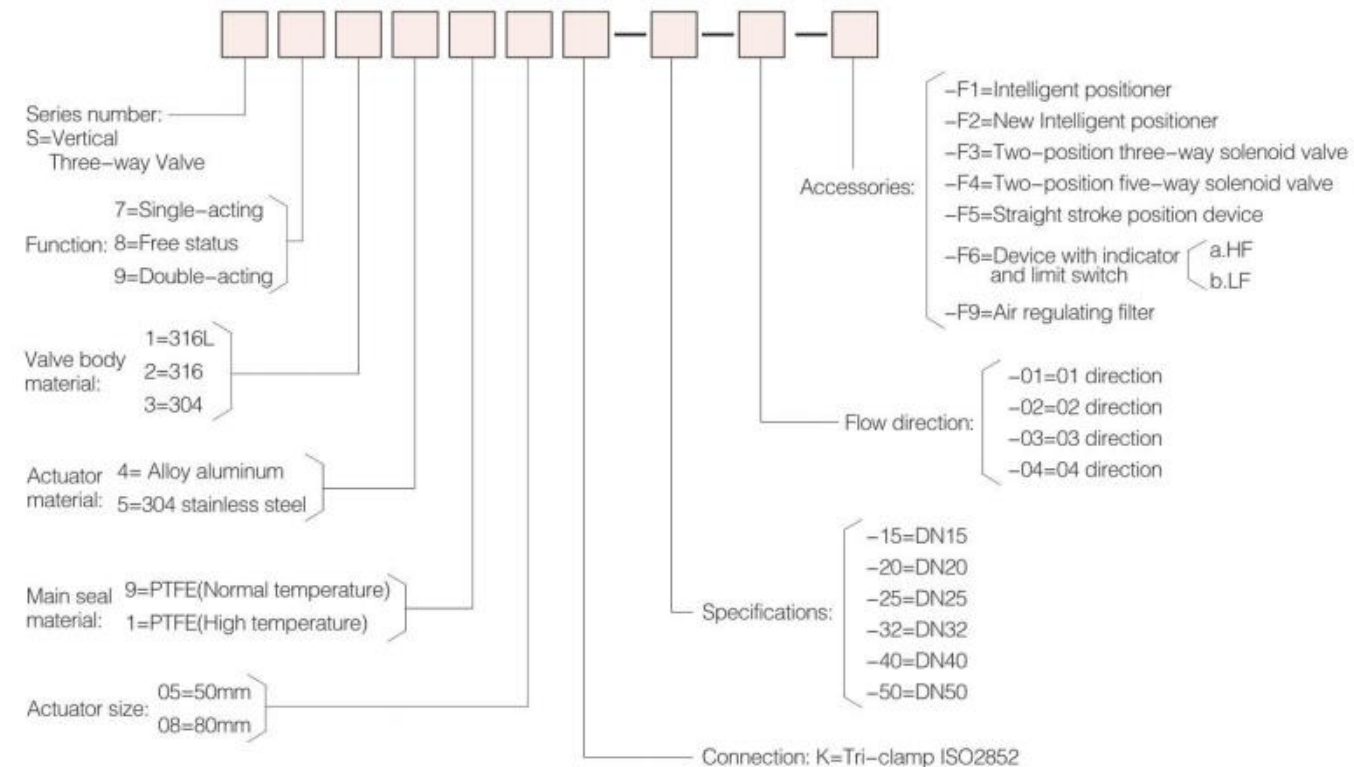
1. Position indicator: The limit switch and emergency manual are adaptable.
2. Easy installation: Actuator 360° rotated free.
3. Variety control mode: Single-acting, Double-acting, Free status.
4. Automatically position correction, Self-lubricating PTFE seal, maintenance-free, good stability.
5. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
6. Easy installation.
8. Start frequently for a short time, high sensitivity.
9. No dead angle, no residue, easy to disassemble, easy to clean.

Application Field

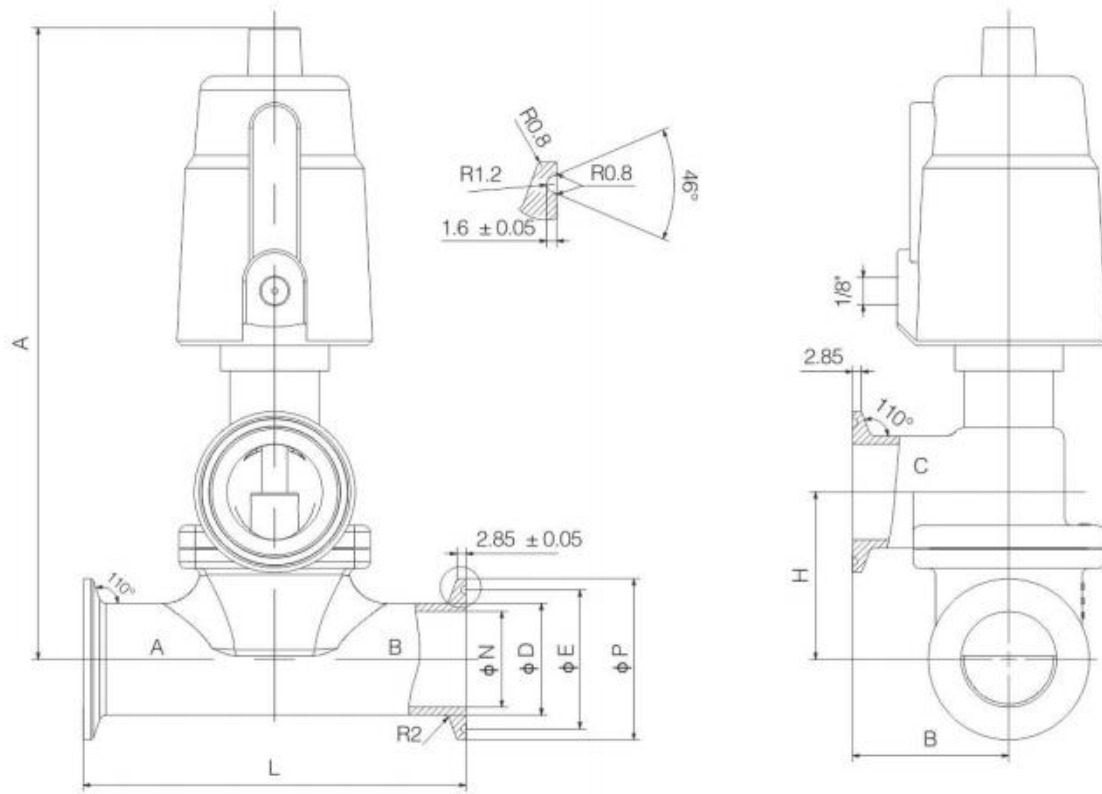
Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.



Order Guide



Vertical Three-way Angle Seat Valve



Vertical Three-way Angle Seat Valve—Specifications

DN	Actuator (mm)	A	B	H	L	N	D	E	P
15	50	198	43	48	115	20	26	43.5	51
20	50	198	43	48	115	20	26	43.5	51
25	50	198	49	52	120	30	35	43.5	51
32	80	233	55	61	160	34	40	43.5	51
40	80	255	64	69	160	44	51	56.5	64
50	80	275	75	82	178	55	63	70.5	78

Vertical Four-way Angle Seat Valve

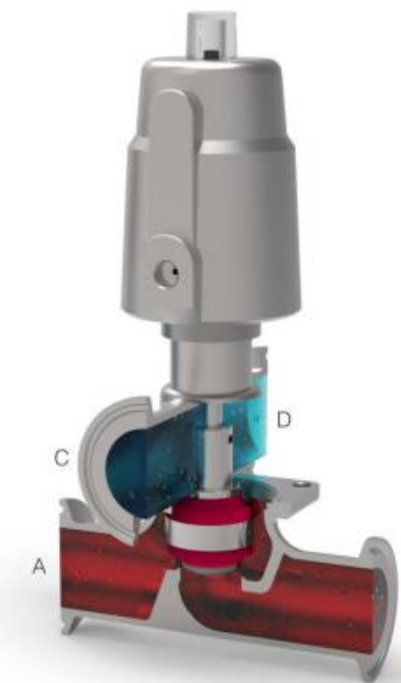


Tri-clamp Stainless Steel Actuator Vertical Four-way Angle Seat Valve

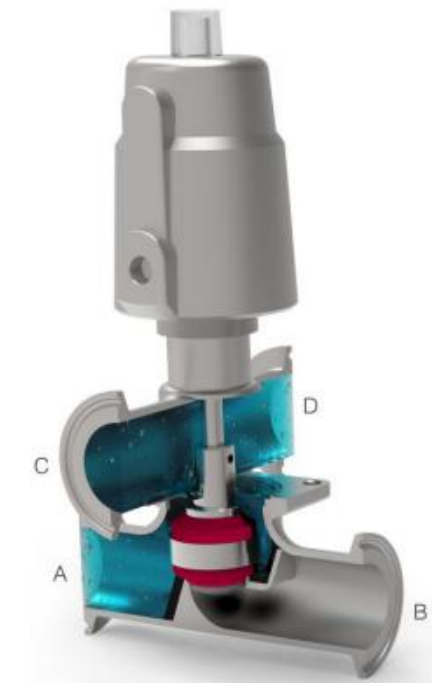
Tri-clamp Aluminum Actuator Vertical Four-way Angle Seat Valve



Series number: SS= vertical four-way.



01 Flow direction: A → B, C → D



02 Flow direction: ACD circulation, B Close



Vertical Valve

BTB®

Thread Stainless steel
Actuator Vertical Valve



Tri-clamp Stainless steel
Actuator Vertical Valve



Thread Aluminum
Actuator Vertical Valve



Tri-clamp Aluminum
Actuator Vertical Valve



Technical Parameter

Working pressure: 0–1.6MPa (0–232psi)
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Connection: Thread, Flange, tri-clamp
 Leakage class: DIN EN 12266 A class

Working Principle

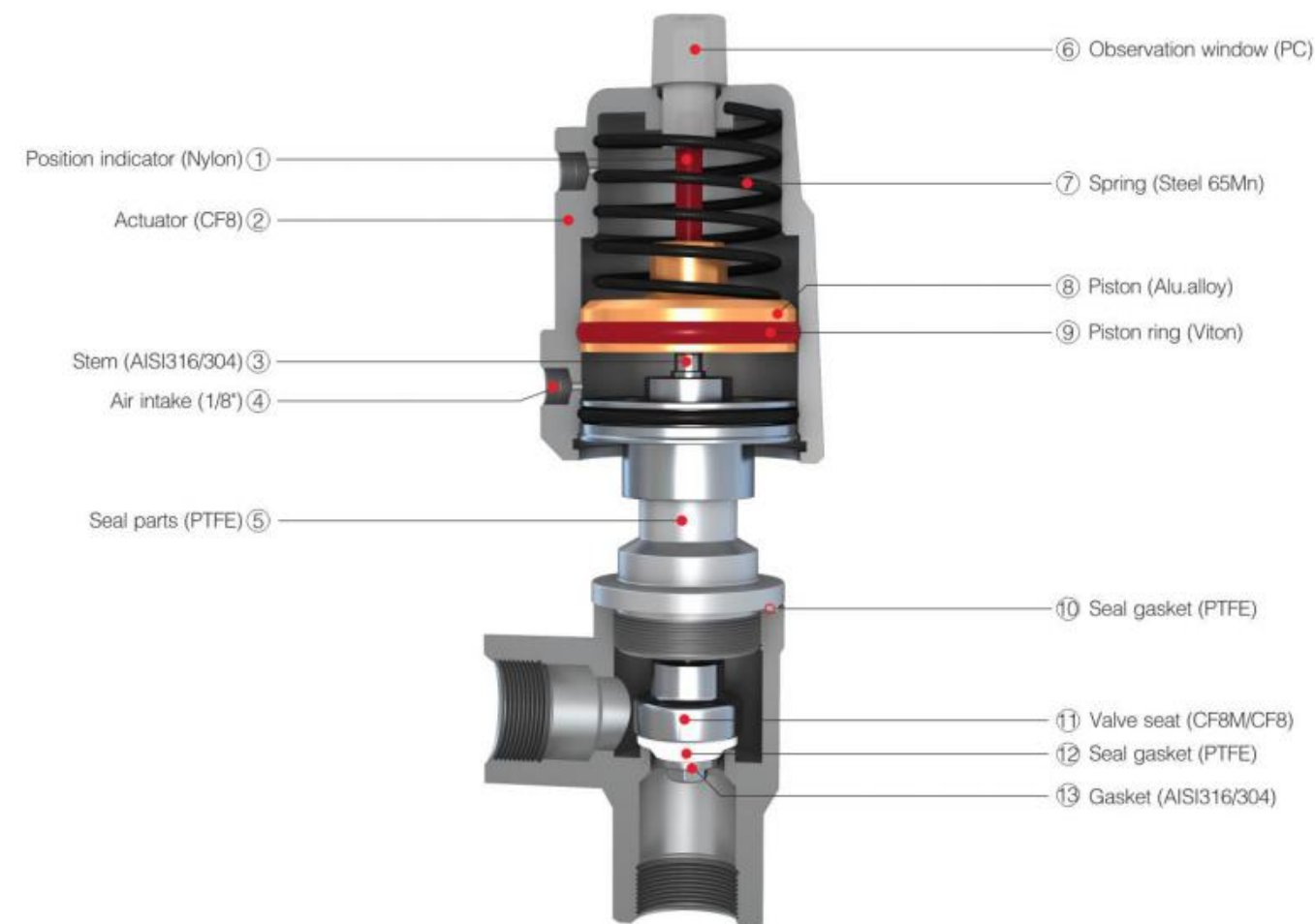
In the non-working status, the valve is normally closed (open) due to spring force ,when actuator piston is compressed by air. The double-acting valve control by compressed air.

Features

1. Position indicator: The limit switch and emergency manual are adaptable.
2. Easy installation: Actuator 360° rotated free.
3. Variety control mode: Normal open, Normal closed, Double-acting, Free status
4. Automatically position correction, Self-lubricating PTFE seal, maintenance-free, good stability.
5. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
6. Easy installation.
7. Start frequently for a short time, high sensitivity. Precise temperature control, drip with liquid.

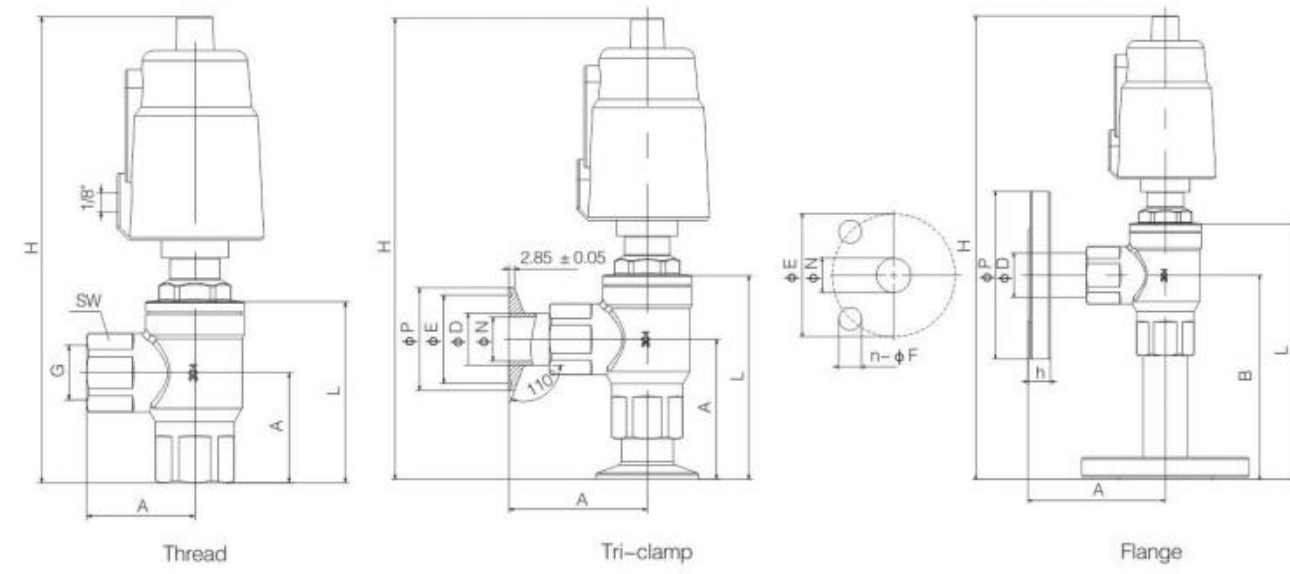
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.

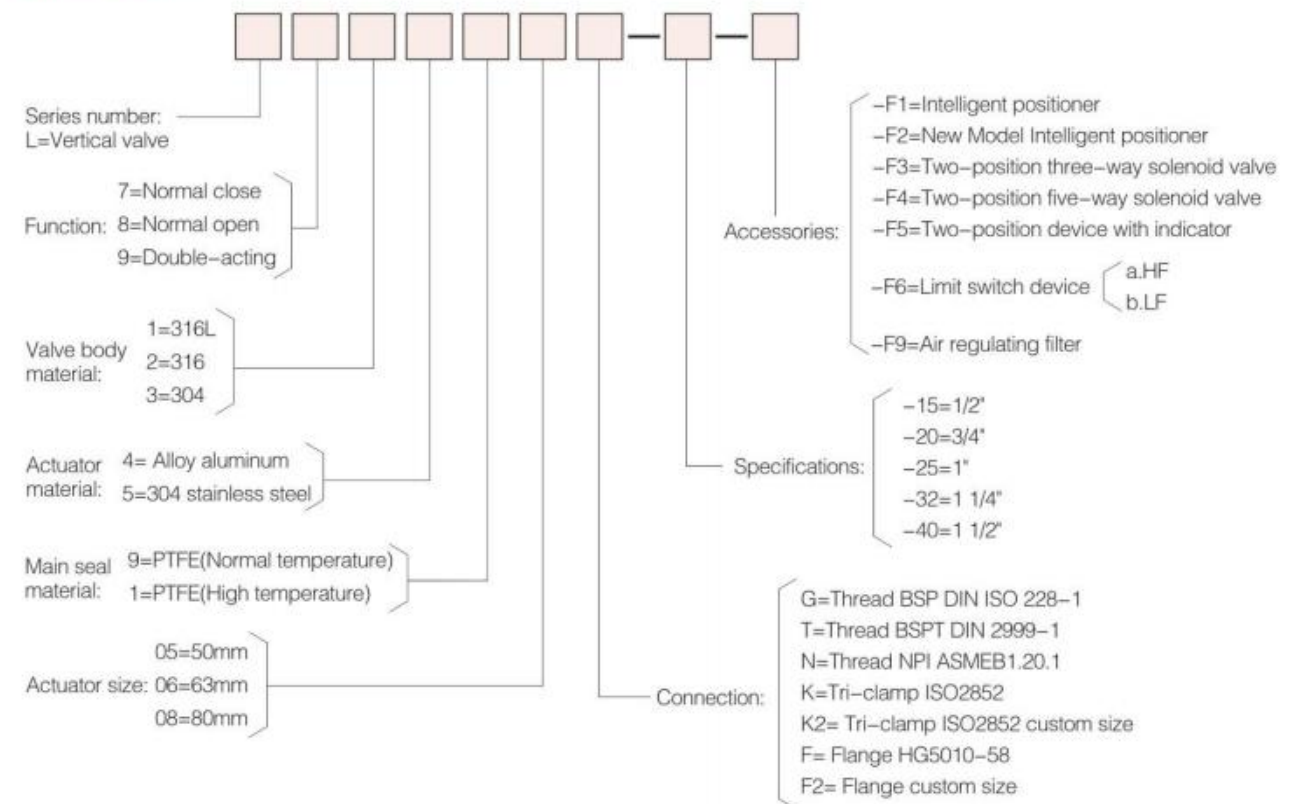




Vertical Valve



Order Guide



Thread standards: customized to customer requirements.

Thread Vertical Valve—Specifications

DN	Actuator (mm)	H	A	L	SW	G
15	50	210	48	81	32	1/2"
20	50	210	48	81	32	3/4"
25	63	234	56	93	39	1"
32	80	287	77	122	56	1 1/4"
40	80	287	77	122	56	1 1/2"

Tri-clamp standard: ISO 2852

Tri-clamp Vertical Valve—Specifications

DN	Actuator (mm)	H	A	L	ΦN	ΦD	ΦE	ΦP
15	50	230	68	101	18	22	43.5	51
20	50	230	68	101	22	25	43.5	51
25	63	254	76	113	34	37	43.5	51
32	80	307	97	142	38	42	43.5	51
40	80	307	97	142	45	51	56.5	64

Flange Vertical Valve—Specifications

DN	Actuator (mm)	H	A	B	L	ΦD	ΦP	ΦN	ΦE	h	n-ΦF
15	50	283	80	120	154	22	92	19	65	11	4-14
20	50	285	82	122	156	27	102	26	75	13.5	4-14
25	63	310	92	132	170	34	112	33	85	13.5	4-14
32	80	365	114	154	200	42	132	39	100	14.5	4-18
40	80	365	114	154	200	48	142	46	110	15.5	4-18

Filling Valve



Filling Valve Without Filling Tube



Filling Valve Inside Seal



Filling Valve Outside Seal



Technical Parameter

Working pressure: 0–0.8MPa (0–116psi)
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Temperature of medium: –10°C~+120°C
 Temperature of environment: –10°C~+80°C
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Connection: Thread
 Leakage class: DIN EN 12266 A class

Working Principle

In the non–working status, the valve is normally closed (open) due to spring force ,when actuator piston is compressed by air. The double–acting valve control by compressed air.

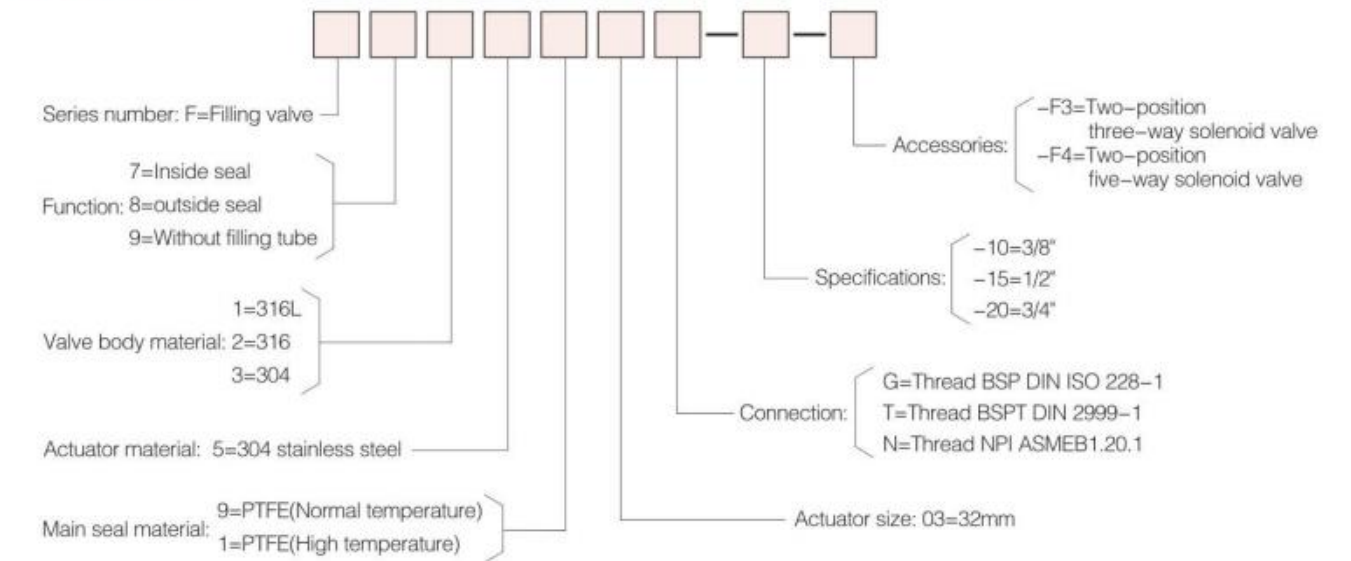
Features

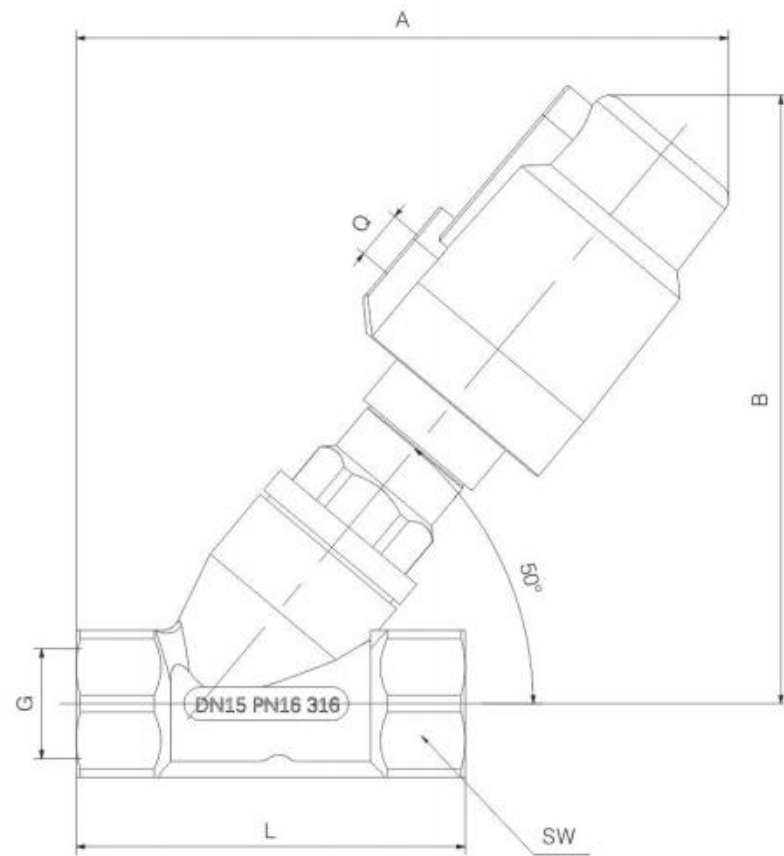
1. Small and delicate shape, New model weight components, compact structure.
2. High flow rate, low fluid resistance, Y–type design increases 30% flow rate.
3. Easy installation: Actuator 360° rotated free.
4. Variety control mode: Double–acting, inside cover, outside cover.
5. Automatically position correction, Self–lubricating PTFE seal, maintenance–free, good stability.
6. Start frequently for a short time, high sensitivity. Precise temperature control, drip with liquid.
7. No residue.

Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high–temperature sterilization, washing machine, etc.

Order Guide

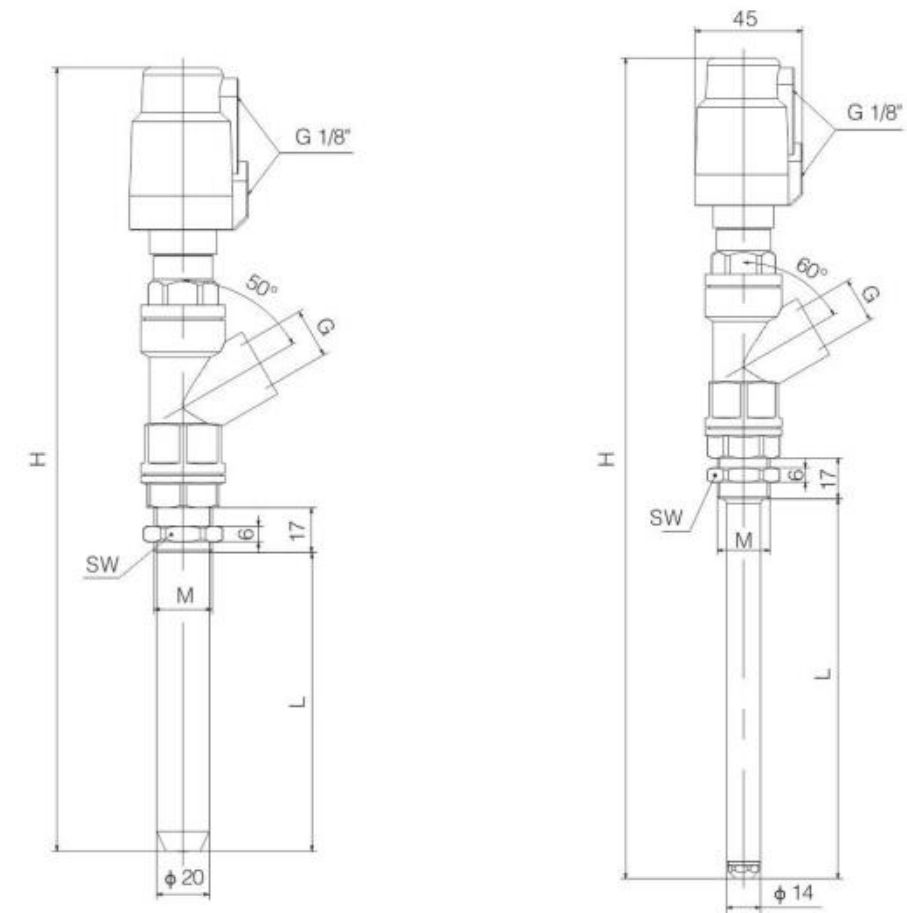




Without Filling Tube

Filling Valve Without Filling Tube—Specifications

DN	Actuator (mm)	B	A	Q	L	G	SW
10	32	110	104	1/8"	55	3/8"	21
15		116	110		70	1/2"	26
20		122	115		76	3/4"	32



Inside Seal

Outside Seal

* Specifications can be customized

Filling Valve Inside Seal—Specifications

DN	Actuator (mm)	H	L	G	M	SW	Order Guide
15	32	297	113	G1/2"	M22 x 1.5	27	G928903-15-20

* Specifications can be customized

Filling Valve Outside Seal—Specifications

DN	Actuator (mm)	H	L	G	M	SW	Order Guide
15	32	343	157	G1/2"	M22 x 1.5	27	G925903-15-14



T-type Angle Seat Valve



T-type Flange Angle Seat Valve



T-type Flange Mini Angle Seat Valve



Technical Parameter

Working pressure: 0-1.6MPa(0-232psi)
 Controlling pressure: 0.3-0.8Mpa(43.5-116psi)
 Seal material: PTFE
 Seal material of piston: FPM
 Valve body material: 304/316/316L
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Medium viscosity: Max600mm²/s
 Medium temperature: -29°C~+200°C
 Environment temperature: -10°C~+80°C
 Connection: Thread, welding, flange, fast installation
 A: up stream installation / B: down stream installation
 Leakage class: DIN EN 12266 A class

Features

1. High flow rate, low fluid resistance, Y-type design increases 30% flow rate.
2. Position indicator: The limit switch and emergency manual are adaptable.
3. Easy installation: Actuator 360° rotated free.
4. Variety control mode: Double-acting, inside cover, outside cover.
5. Automatically position correction, Self-lubricating PTFE seal, maintenance-free, good stability.
6. Multi actuators to adapt different working status, normal, high temperature, heavy corrosion, etc.
7. Easy installation.
8. Start frequently for a short time, high sensitivity. Precise temperature control, drip with liquid.

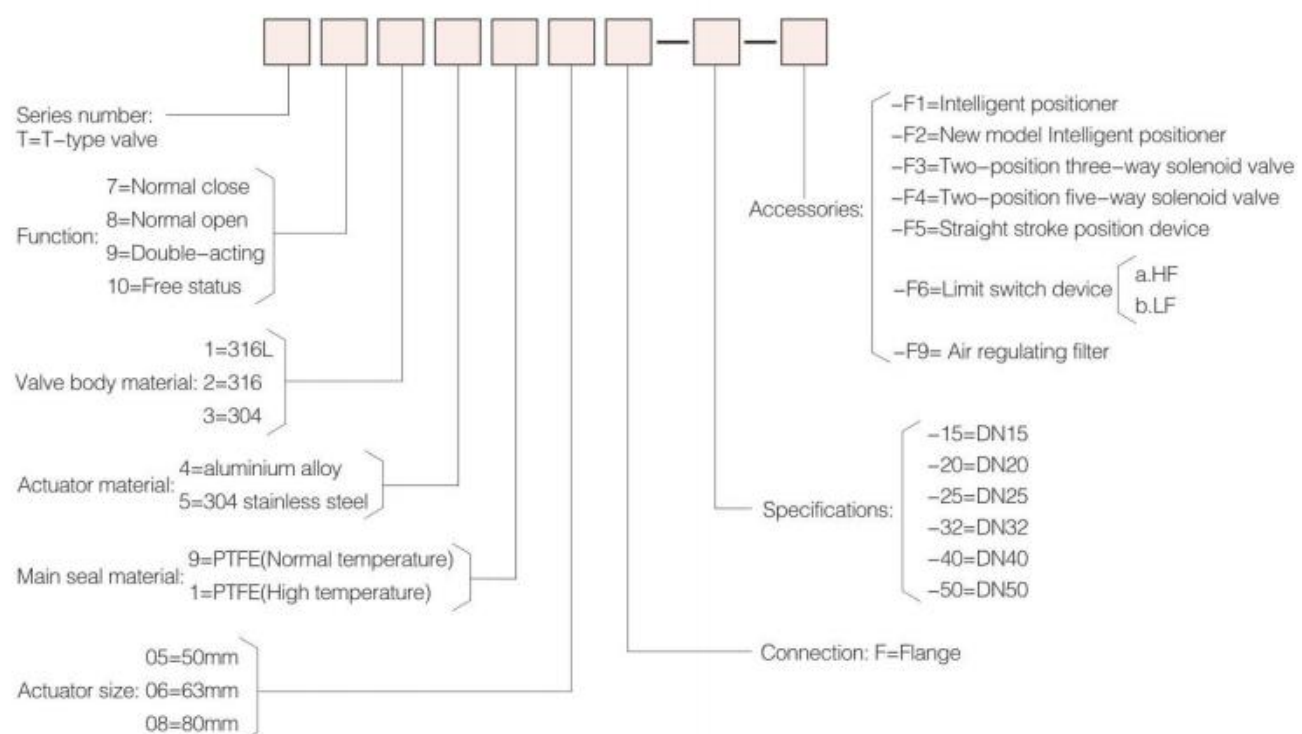
Working Principle

In the non-working status, the valve is normally closed (open) due to spring force ,when actuator piston is compressed by air. The double-acting valve control by compressed air.

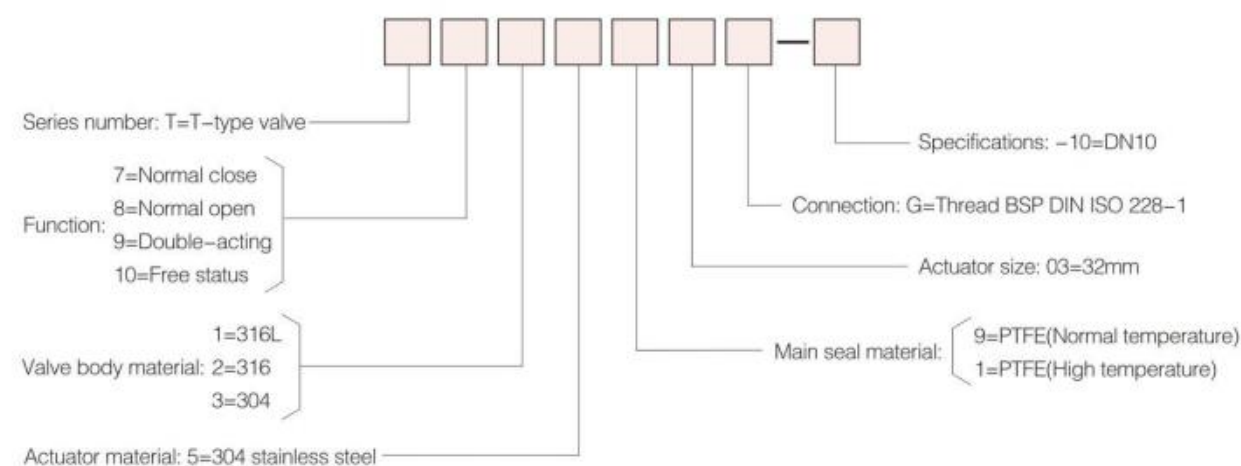
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.

T-type Flange Angle Seat Valve Order Guide

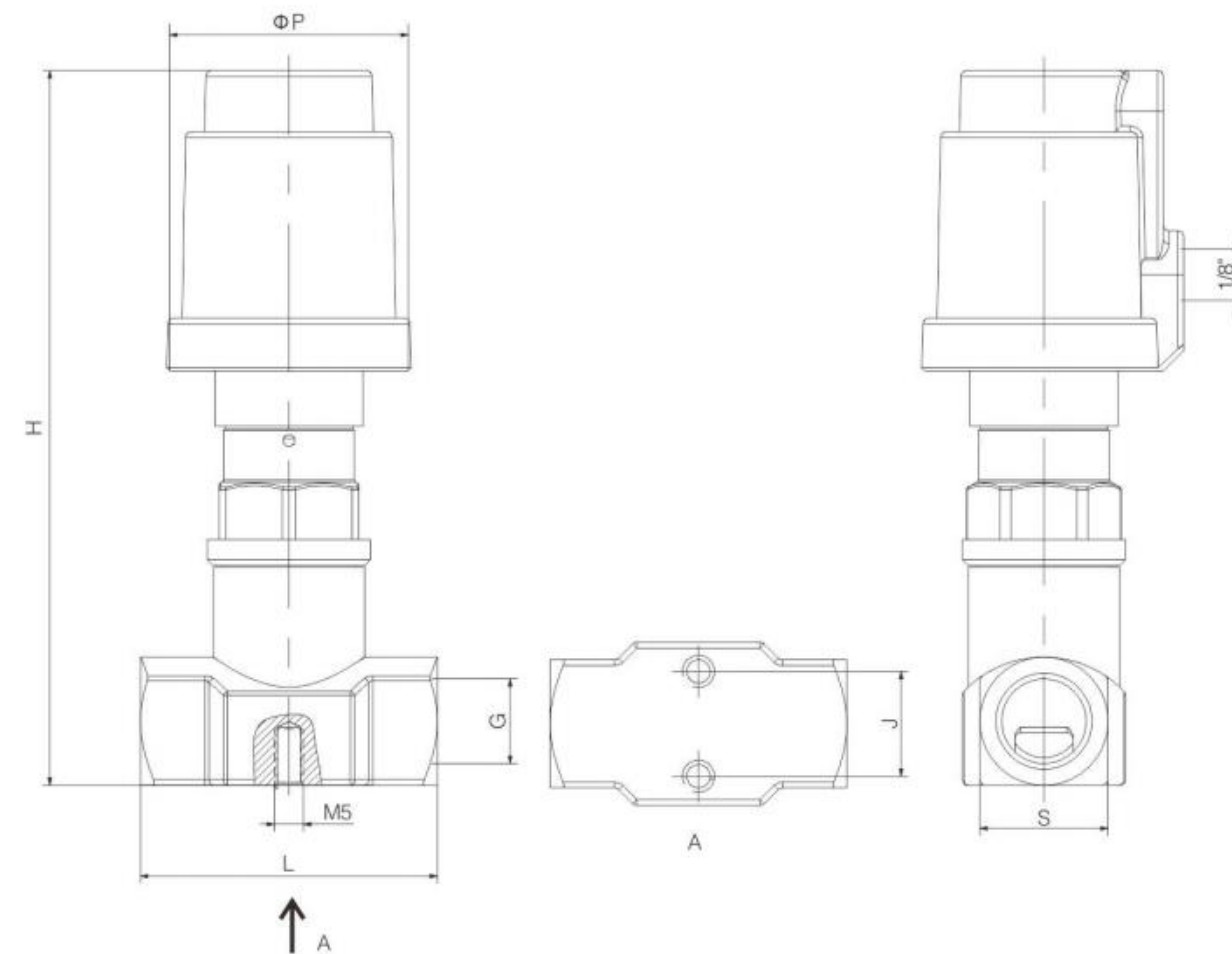
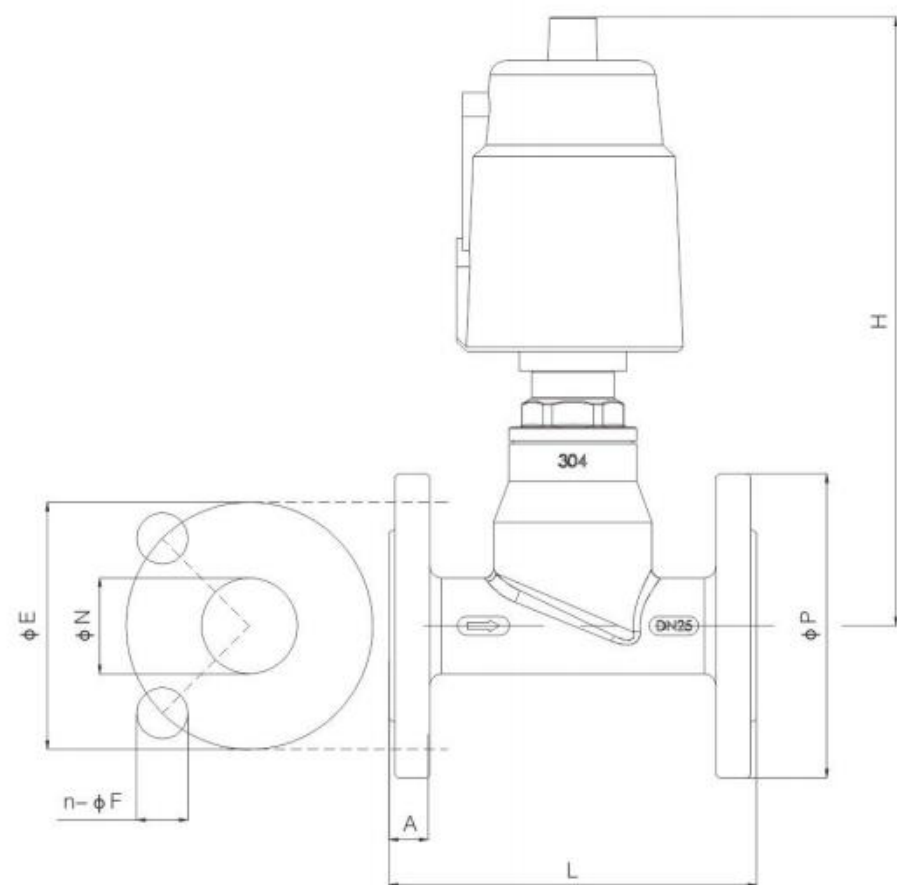


T-type Flange Mini Angle Seat Valve Order Guide





T-type Angle Seat Valve



T-type Flange Angle Seat Valve—Specifications

DN	Actuator (mm)	L	H	φE	φN	n-φF	φP	A
15	50	100	180	65	15	4-14	92	11
20	50	110	185	75	20	4-14	102	13.5
25	50	127	210	85	24	4-14	112	14
32	80	170	249	100	39	4-18	132	14.5
40	80	183	249	110	46	4-18	142	15.5
50	80	200	272	125	59	4-18	157	16

T-type Mini Angle Seat Valve—Specifications

Actuator (mm)	L	G	S	φP	H	J
10	51	3/8"	22	42	125	18



Ball Valve

Two-piece Platform
Stainless Steel Ball Valve



Two-piece Platform
Copper Ball Valve



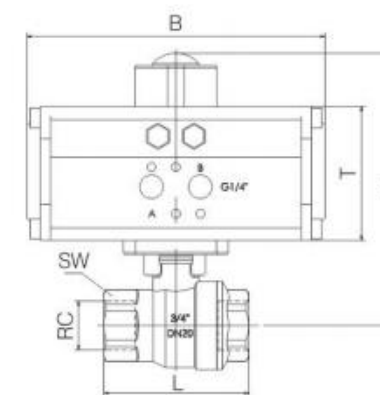
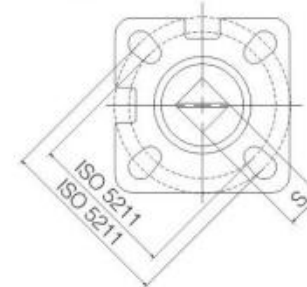
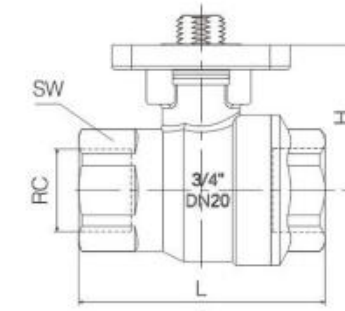
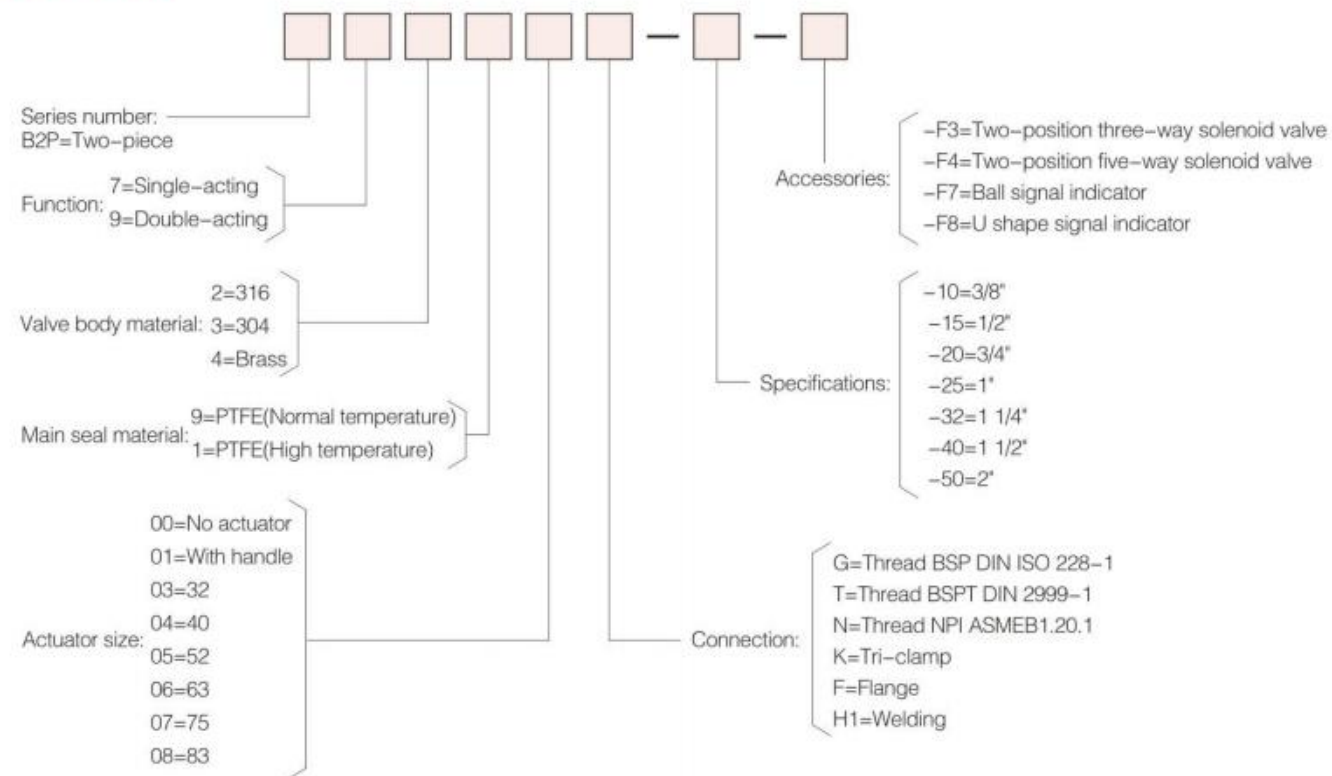
Two-piece Pneumatic
Ball Valve



Two-piece Pneumatic
Copper Ball Valve



Order Guide



Two-piece Pneumatic Ball Valve—Specifications

DN	RC	L	SW	H	S
10	3/8"	55	26	38.5	9
15	1/2"	55	26	38.5	9
20	3/4"	71	32	41.5	11
25	1"	82	39	44.8	11
32	1-1/4"	91	48	54	14
40	1-1/2"	103	54	59	14
50	2"	121	68	67.2	14

Two-piece Pneumatic Copper Ball Valve—Specifications

DN	RC	L	SW	H	T	B
10	3/8"	55	26	98.5	60	125
15	1/2"	55	26	98.5	60	125
20	3/4"	71	32	113.5	72	146
25	1"	82	39	117	72	146
32	1-1/4"	91	48	144	90	169
40	1-1/2"	103	54	149	90	169
50	2"	121	68	167	100	186



Manual Ball Valve With Handle

Thread Three-piece Platform Stainless Steel Ball Valve



Welding Three-piece Platform Stainless Steel Ball Valve



Tri-clamp Three-piece Platform Stainless Steel Ball Valve



Flange Three-piece Platform Stainless Steel Ball Valve



Technical Parameter

Working pressure: PN63
 Controlling pressure: 0.3-0.8Mpa (43.5-116psi)
 Seal material: PTFE
 Medium temperature: -10°C~+150°C
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Medium viscosity: Max600mm²/s
 Connection: Thread, welding, flange, fast installation
 Leakage class: DIN EN 12266 A class

Working Principle

Easy to use handle open or close valve, quick response and reliable life time, flexible to working circumstance.

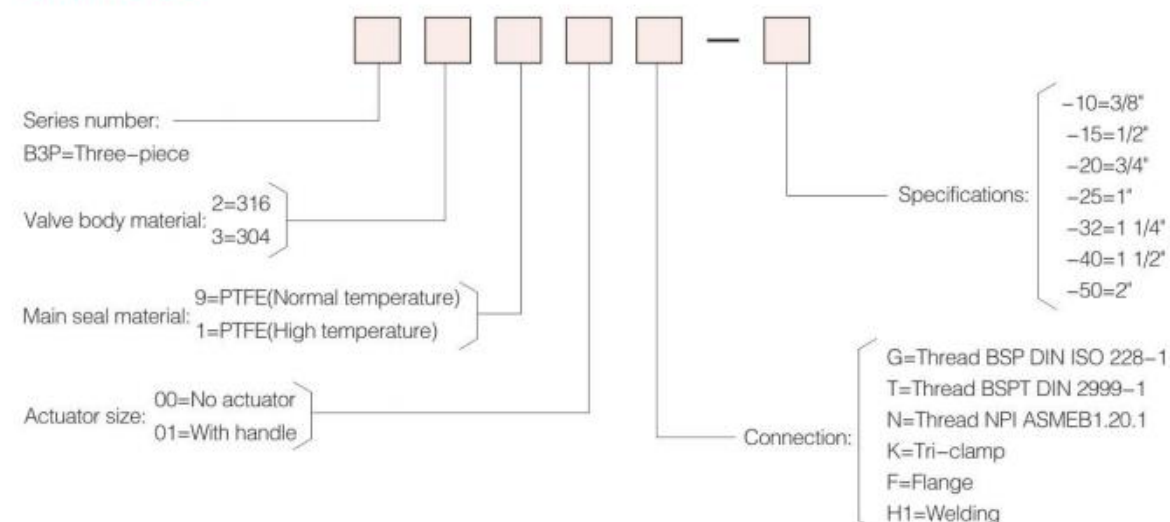
Features

1. Less fluid resistance and high flow rate.
2. Simple structure, small size and light weight.
3. Reliable seal, ball valve seal surface material is widely used PTFE, durable sealing, also compatible for vacuum system.
4. Easy to operate, open and close quickly, from complete opening to complete closing as long as the rotation of 90 degrees, also able to control long distances.
5. Easy to repair, simple structure, convenient to seal replacement.
6. When complete open or close, sealing surface of the ball valve seat is isolated from the media, prevent seal surface corrosion when media go through.
7. Start working quickly, response immediately.

Application Field

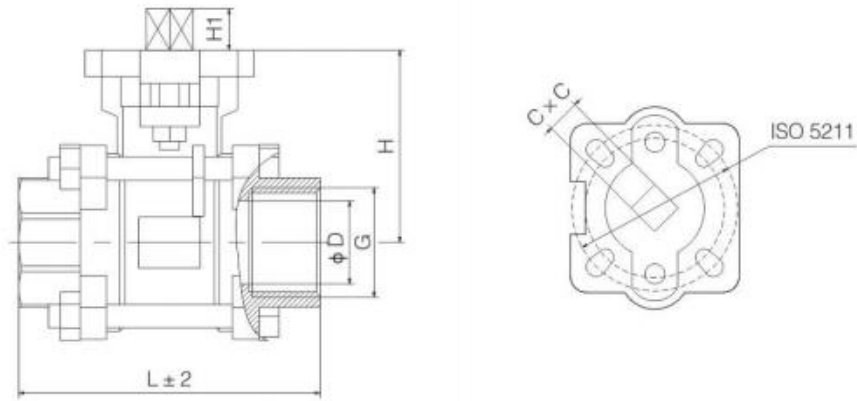
Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.

Order Guide



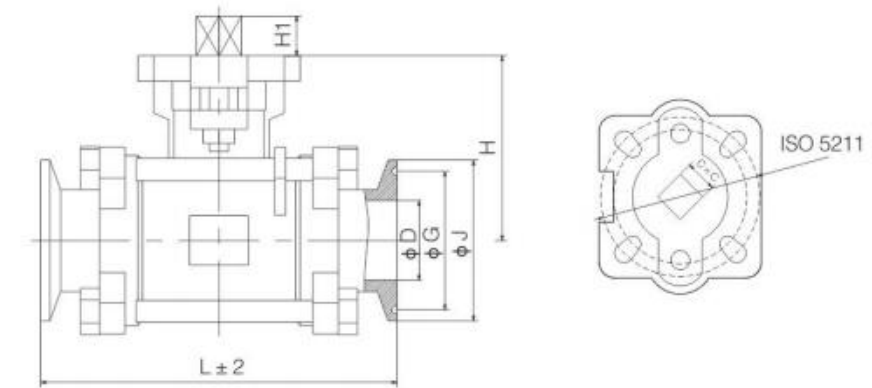


Manual Ball Valve With Handle



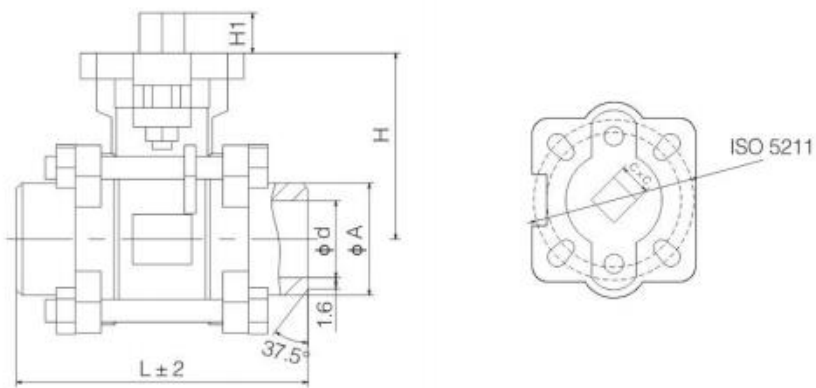
Manual Thread Three-piece Stainless Steel Ball Valve—Specifications

DN	G	L	D	H	H1	C
15	1/2"	73	15	49	9	9
20	3/4"	83	20	54	9	9
25	1"	90	25	59	11	11
32	1 1/4"	108	32	71	11	11
40	1 1/2"	119	38	76	14	14
50	2"	140	50	84	14	14
65	2 1/2"	164	65	107	18	17
80	3"	192	78	118	18	17
100	4"	202	100	138	18	17



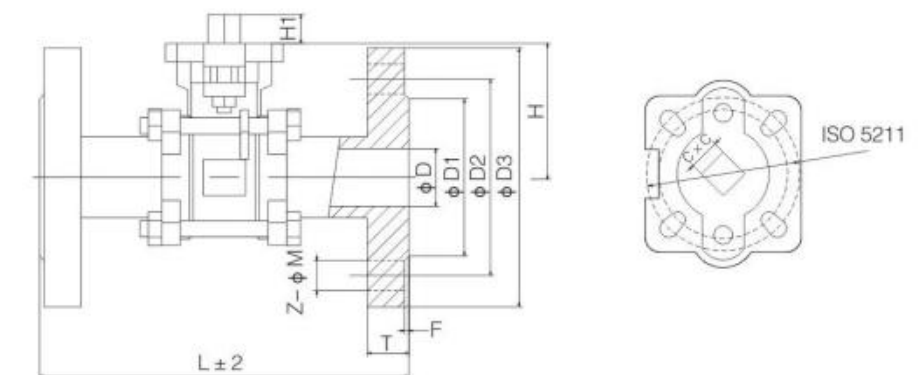
Manual Tri-clamp Three-piece Stainless Steel Ball Valve—Specifications

DN	SIZE	L	J	G	H1	H	CXC	ISO 5211
15	1/2"	95	50.4	43.6	9	48	9	F04/F05
20	3/4"	108	50.4	43.6	9	53	9	F04/F05
25	1"	111	50.4	43.6	11	70	11	F04/F05
32	1 1/4"	127	50.4	43.6	11	73	11	F04/F05
40	1 1/2"	142	50.4	43.6	14	75	14	F05/F07
50	2"	157	63.9	56.3	14	84	14	F05/F07
65	2 1/2"		77.4	70.6	17		17	F07/F10
80	3"	202	90.9	83.3	17	106	17	F07/F10
100	4"		118.9	110.3	17		17	F07/F10



Manual Welding Three-piece Stainless Steel Ball Valve—Specifications

DN	SIZE	L	d	A	H	H1	C	ISO 5211
15	1/2"	72	15	24	48.5	9	9	F04/F05
20	3/4"	81	19	29	54.5	9	9	F04/F05
25	1"	91	24	34	57.5	11	11	F04/F05
32	1 1/4"	107.5	32	43	70.5	11	11	F04/F05
40	1 1/2"	123.5	37.5	50.5	76	14	14	F05/F07
50	2"	142	50	61.5	82.5	14	14	F05/F07
65	2 1/2"	187.5	65	76.5	107	17	17	F07/F10
80	3"	218	80	92	118	17	17	F07/F10
100	4"	266	100	115.5	138	17	17	F07/F10



Manual Flange Three-piece Stainless Steel Ball Valve—Specifications

DN	SIZE	L	H	H1	C	D1	D2	D3	T	F	Z-M	ISO 5211
15	1/2"	130	48.5	9	9	45	65	95	16	2	4-14	F04/F05
20	3/4"	150	53.5	9	9	58	75	105	18	2	4-14	F04/F05
25	1"	160	58.8	11	11	68	85	115	18	2	4-14	F04/F05
32	1 1/4"	180	71	11	11	78	100	140	18	2	4-18	F04/F05
40	1 1/2"	200	76	14	14	88	110	150	18	3	4-18	F05/F07
50	2"	230	83.5	14	14	102	125	165	18	3	4-18	F05/F07
65	2 1/2"	290	107	18	17	122	145	185	18	3	4-18	F07/F10
80	3"	210	118	18	17	138	160	200	20	3	8-18	F07/F10
100	4"	350	138	18	17	158	180	220	20	3	8-18	F07/F10



Pneumatic Ball Valve

Thread Three-piece
Stainless Steel Pneumatic
Ball Valve



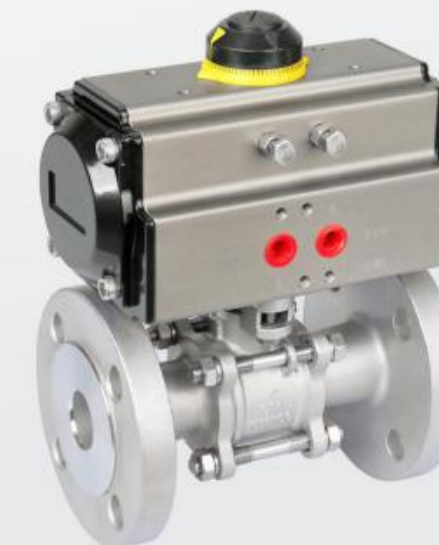
Welding Three-piece
Stainless Steel Pneumatic
Ball Valve



Tri-clamp Three-piece
Stainless Steel Pneumatic
Ball Valve



Flange Three-piece
Stainless Steel Pneumatic
Ball Valve



Technical Parameter

Nominal Pressure: PN63
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Seal material: PTFE
 Medium temperature: –10°C~+150°C
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid–base solutions etc.
 Medium viscosity: Max600mm²/s
 Connection: Thread, welding, flange, fast installation
 Leakage class: DIN EN 12266 A class

Working Principle

Turn the ball valve to keep the valve open or closed. Ball valve switch New Modleweight, small size, can be made into a large caliber, reliable sealing, simple structure, easy maintenance, sealing surface and spout often in a closed status, not easy to be eroded by the media, widely used in various industries.

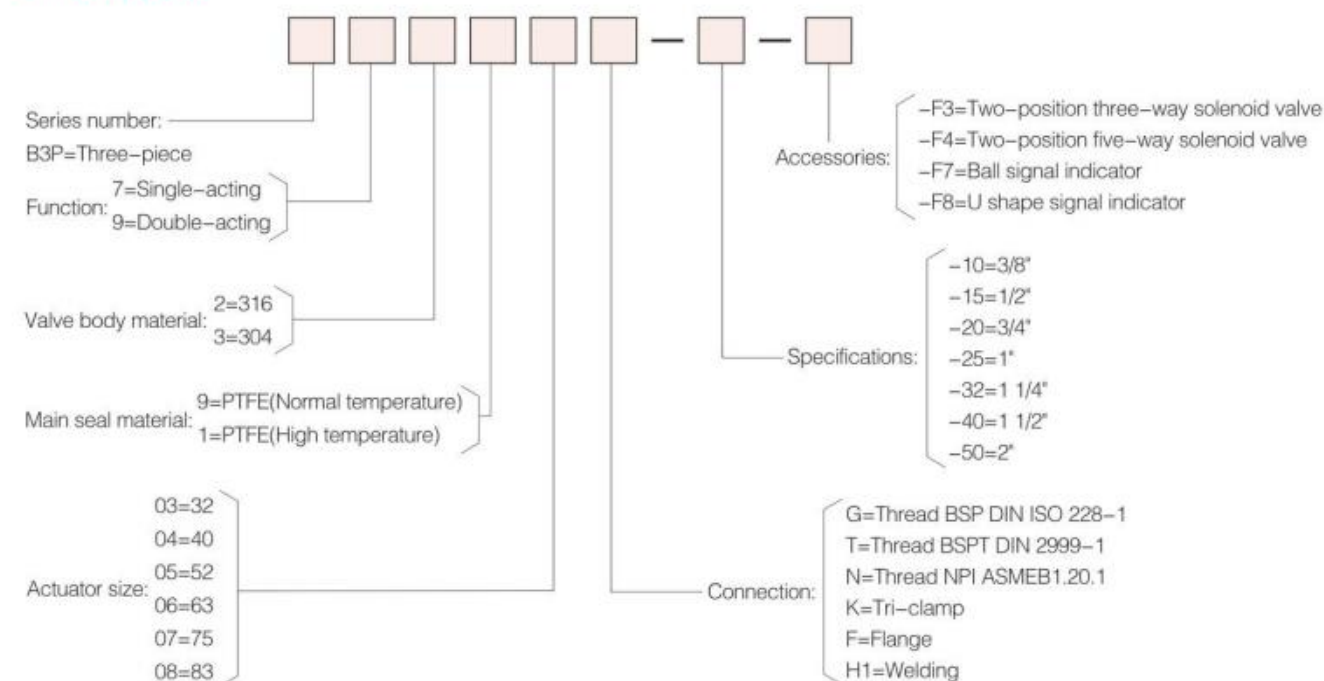
Features

1. The fluid resistance is small, and the resistance coefficient is the same as the length of the pipe section.
2. Simple structure, small size and light weight.
3. Tight and reliable, the current ball valve seal surface material is widely used TPFE, good sealing, in the vacuum system has also been widely used.
4. Easy to operate, open and close quickly, from full opening to full clearance as long as the rotation of 90 degrees, easy to control long distances.
5. Easy to repair, simple ball valve structure, seal ring removal and replacement is convenient.
6. When fully open or closed, the sealing surface of the sphere and seat is isolated from the media, and when the media passes, it does not cause the valve seal surface to erode.
7. Compatible for all applications.
8. Start working quickly , response immediately.

Application Field

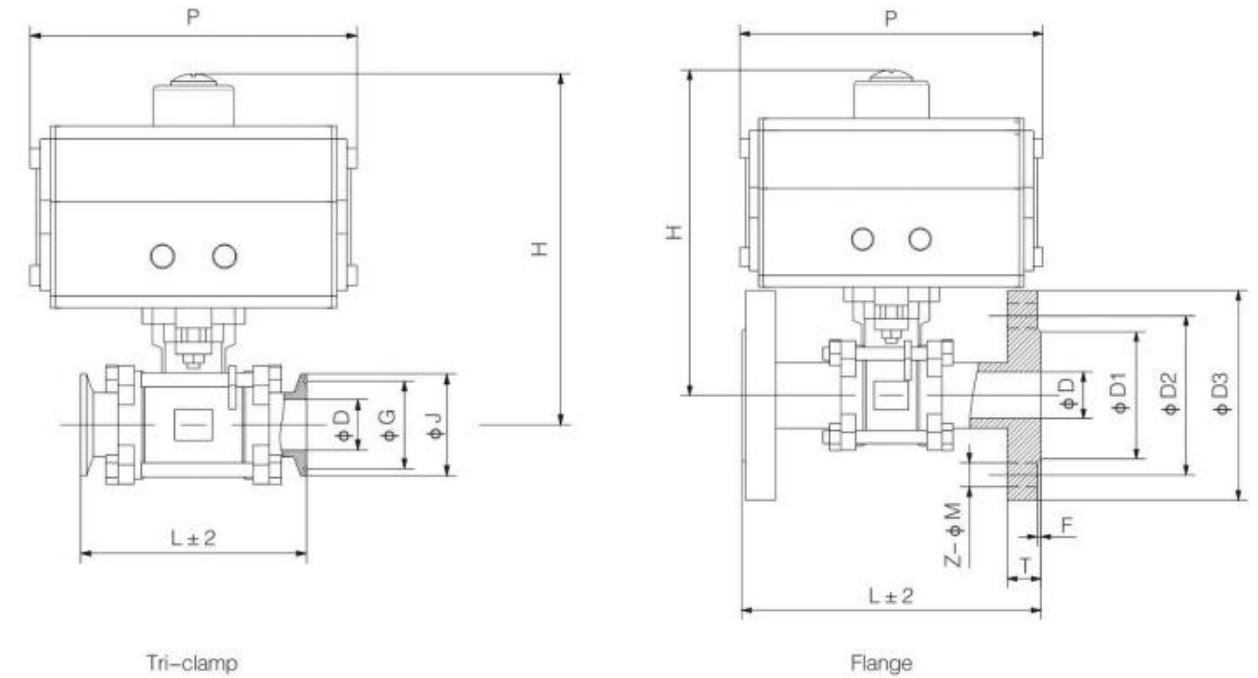
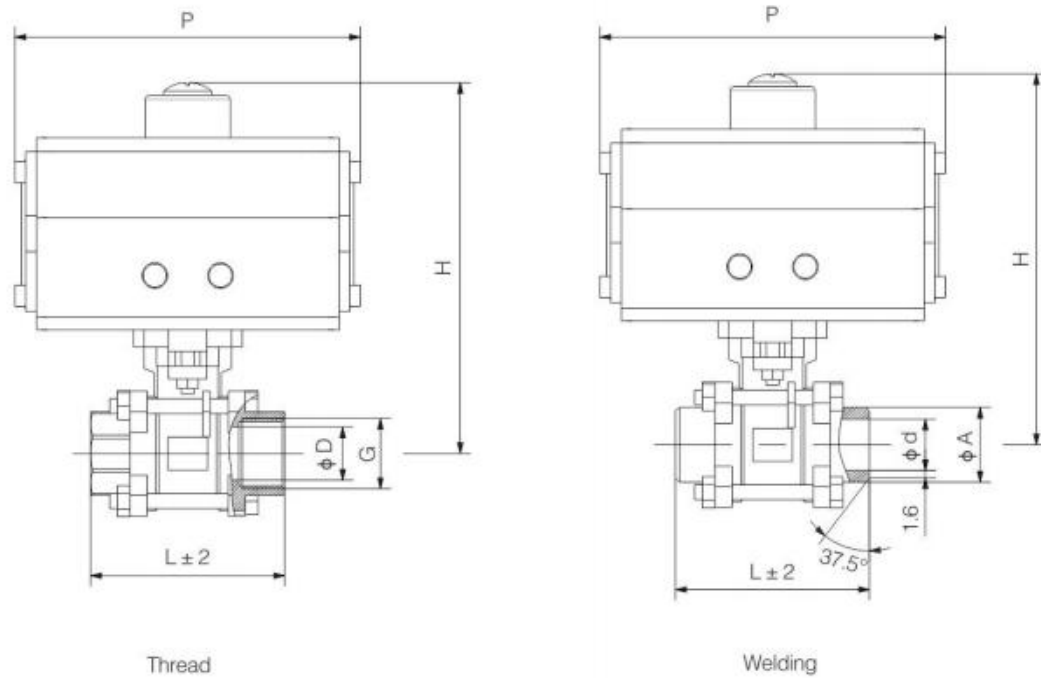
Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high–temperature sterilization, washing machine, etc.

Order Guide





Pneumatic Ball Valve



Thread Three-piece Stainless Steel Pneumatic Ball Valve—Specifications

DN	Actuator (mm)	SIZE	L	D	C	P	H
15	40	1/2"	73	15	9	125	134
20	52	3/4"	83	20	9	148	152
25	52	1"	90	25	11	148	157
32	63	1 1/4"	108	32	11	170	187
40	63	1 1/2"	119	38	14	170	192
50	75	2"	140	50	14	187	210
65	92	2 1/2"	164	65	17	239	233
80	105	3"	192	78	17	268	271
100	125	4"	202	100	17	301	313

Tri-clamp Three-piece Stainless Steel Pneumatic Ball Valve—Specifications

DN	Actuator (mm)	SIZE	L	J	G	CXC	P	H
15	40	1/2"	95	50.4	43.6	9	125	134
20	52	3/4"	108	50.4	43.6	9	148	152
25	52	1"	111	50.4	43.6	11	148	157
32	63	1 1/4"	127	50.4	43.6	11	170	187
40	63	1 1/2"	142	50.4	43.6	14	170	192
50	75	2"	157	63.9	56.3	14	187	210
65	92	2 1/2"		77.4	70.6	17	239	233
80	105	3"	202	90.9	83.3	17	268	271
100	125	4"		118.9	110.3	17	301	313

Welding Three-piece Stainless Steel Pneumatic Ball Valve—Specifications

DN	Actuator (mm)	SIZE	L	d	A	C	P	H
15	40	1/2"	72	15	24	9	125	134
20	52	3/4"	81	19	29	9	148	152
25	52	1"	91	24	34	11	148	157
32	63	1 1/4"	107.5	32	43	11	170	187
40	63	1 1/2"	123.5	37.5	50.5	14	170	192
50	75	2"	142	50	61.5	14	187	210
65	92	2 1/2"	187.5	65	76.5	17	239	233
80	105	3"	218	80	92	17	268	271
100	125	4"	266	100	115.5	17	301	313

Flange Three-piece Stainless Steel Pneumatic Ball Valve—Specifications

DN	Actuator (mm)	SIZE	L	C	D1	D2	D3	T	F	P	H
15	40	1/2"	130	9	45	65	96	16	2	125	134
20	52	3/4"	150	9	58	75	105	18	2	148	152
25	52	1"	160	11	68	85	115	18	2	148	157
32	63	1 1/4"	180	11	78	100	140	18	2	170	187
40	63	1 1/2"	200	14	88	110	150	18	3	170	192
50	75	2"	230	14	102	125	165	18	3	187	210
65	92	2 1/2"	290	17	122	145	185	18	3	239	233
80	105	3"	210	17	138	160	200	20	3	268	271
100	125	4"	350	17	158	180	220	20	3	301	313



Pneumatic Ball Valve

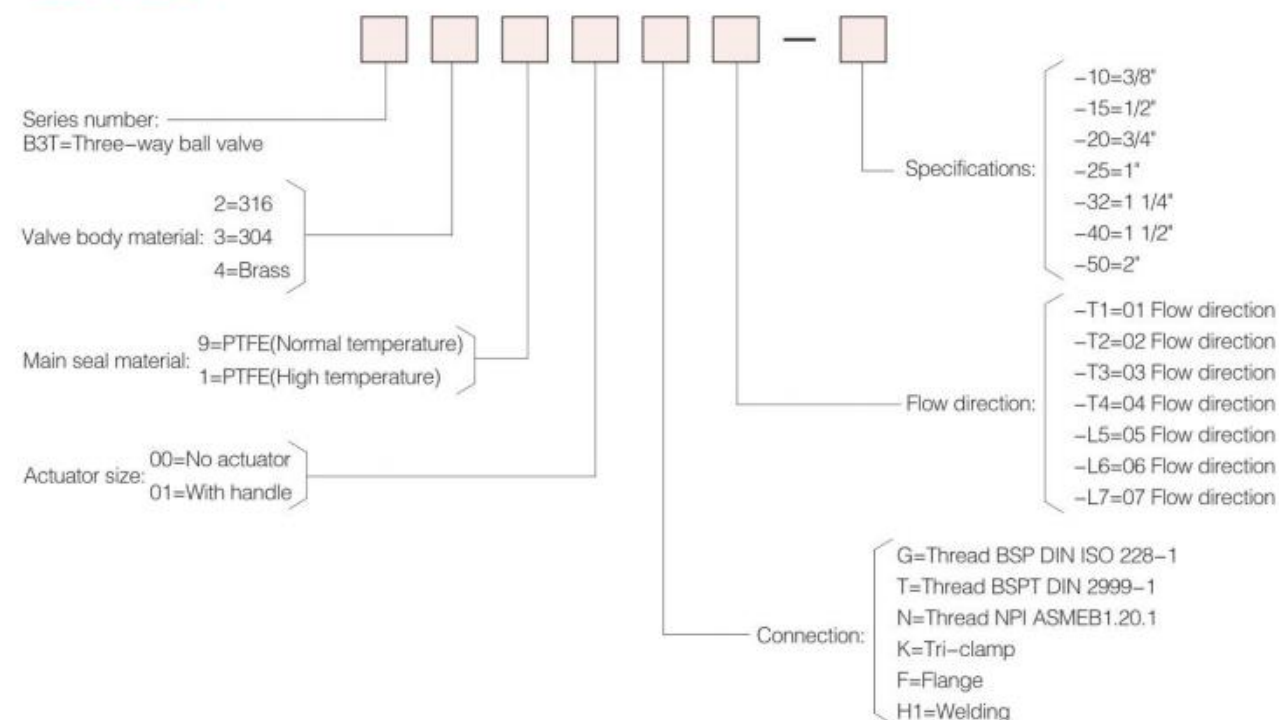
Three-way Stainless Steel Platform Ball Valve



Three-way Copper Platform Ball Valve



Order Guide



Technical Parameter

Nominal Pressure: PN63
 Controlling pressure: 0.3–0.8Mpa (43.5–116psi)
 Seal material: PTFE
 Medium temperature: -10°C~+150°C
 Controlling medium: air/neutral gas
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Medium viscosity: Max600mm²/s
 Connection: Thread
 Leakage class: DIN EN 12266 A class

Working Principle

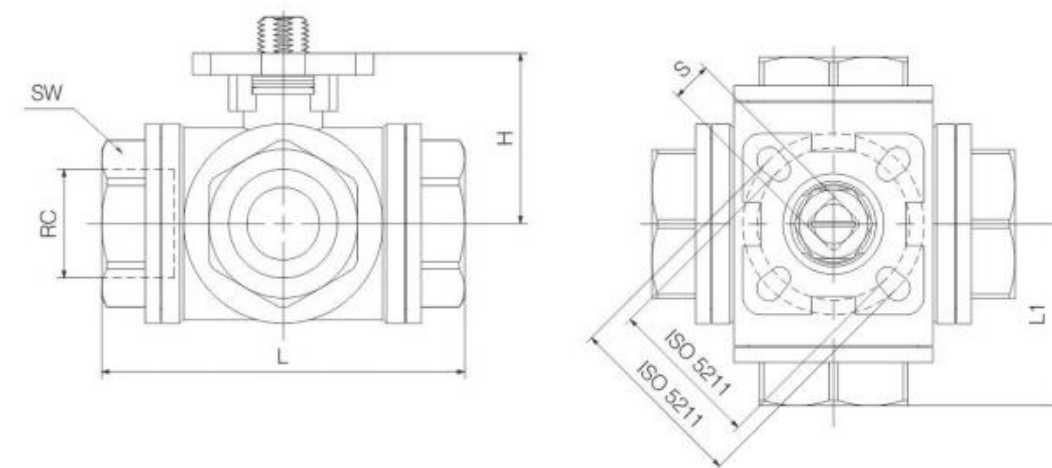
Turn the ball valve to keep the valve open or close. Ball valve switch light and small size, can be made into a large caliber, reliable sealing, simple structure, easy maintenance, sealing surface and spout often in a closed status, not easy to be eroded by the medium, widely used in various industries.

Features

1. The fluid resistance is small, and the resistance coefficient is the same as the length of the pipe section.
2. Simple structure, small size and light weight.
3. Tight and reliable, the current ball valve seal surface material is widely used TPFE, good sealing, in the vacuum system has also been widely used.
4. Easy to operate, open and close quickly, from full opening to full clearance as long as the rotation of 90 degrees, easy to control long distances.
5. Easy to repair, simple ball valve structure, seal ring removal and replacement is convenient.
6. When fully open or closed, the sealing surface of the sphere and seat is isolated from the media, and when the media passes, it does not cause the valve seal surface to erode.
7. Wide range of applications.
8. Start frequently for a short time, high sensitivity.

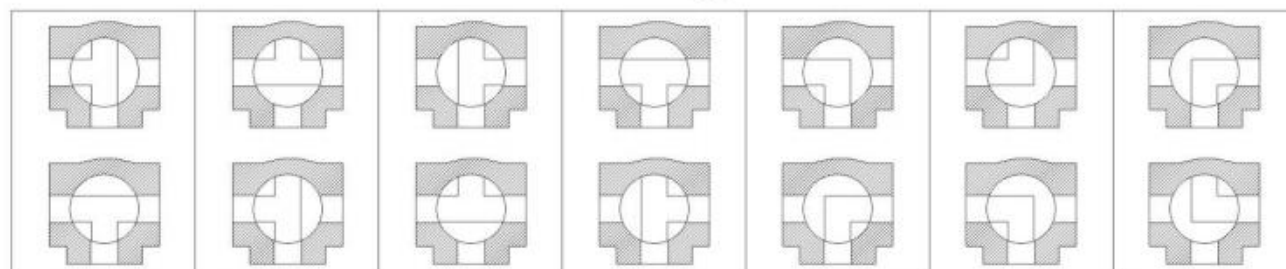
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.



Thread Three-way Platform Ball Valve—Specifications

DN	RC	L	L1	SW	H	S
10	3/8"	75	37.5	27	40	9
15	1/2"	75	37.5	27	40	9
20	3/4"	85	42.5	33	45	11
25	1"	100	50	41	48	11
32	1 1/4"	117	58.5	48	55	14
40	1 1/2"	142	71	55	61	14
50	2"	156	78	69	70	14



Flow direction 1 Flow direction 2 Flow direction 3 Flow direction 4 Flow direction 5 Flow direction 6 Flow direction 7



Pneumatic Ball Valve

Thread Three-way Platform Pneumatic Stainless Steel Ball Valve



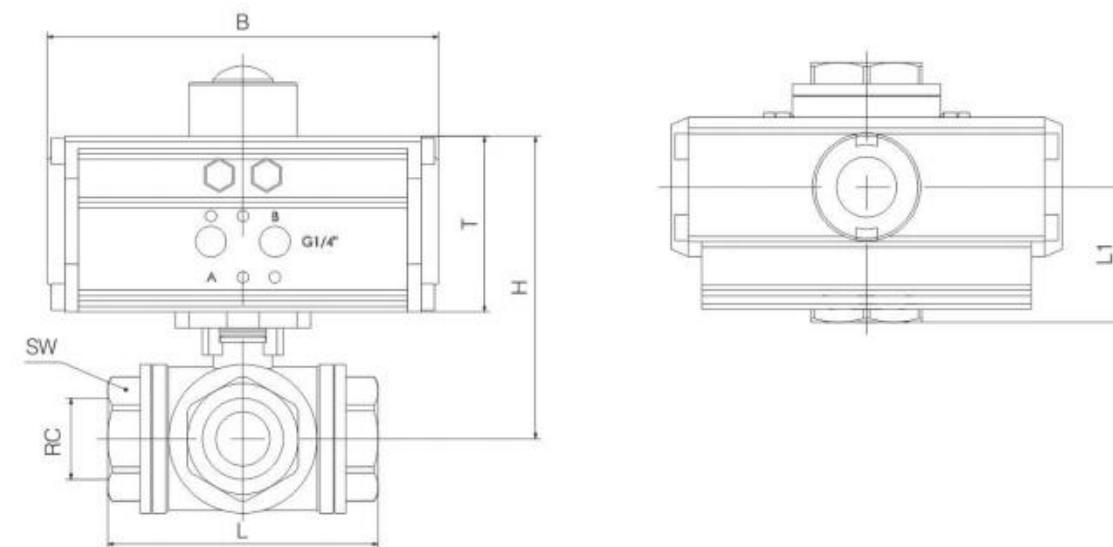
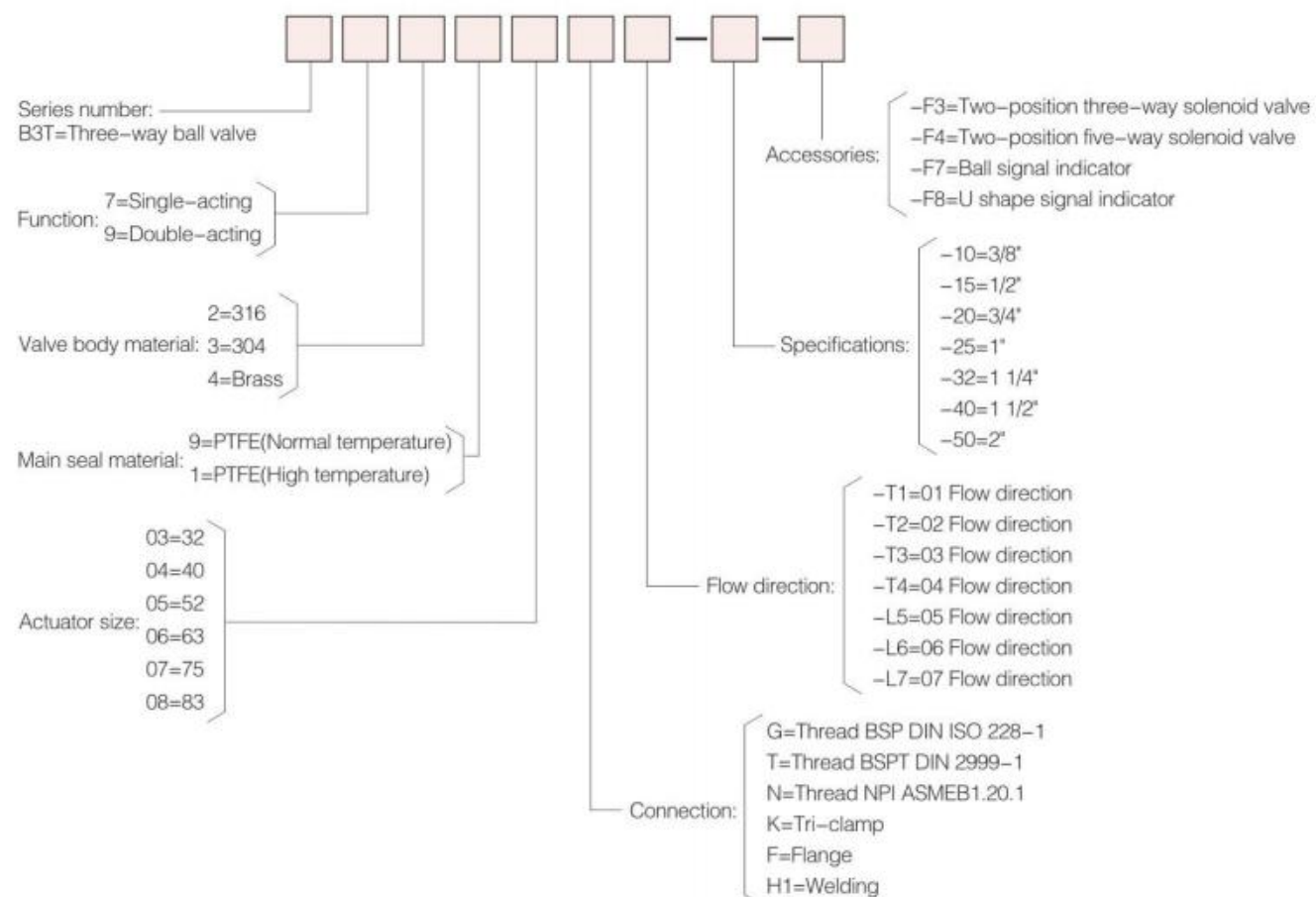
Thread Three-way Platform Pneumatic Brass Ball Valve



Thread Three-way Platform Pneumatic Solenoid Ball Valve



Order Guide



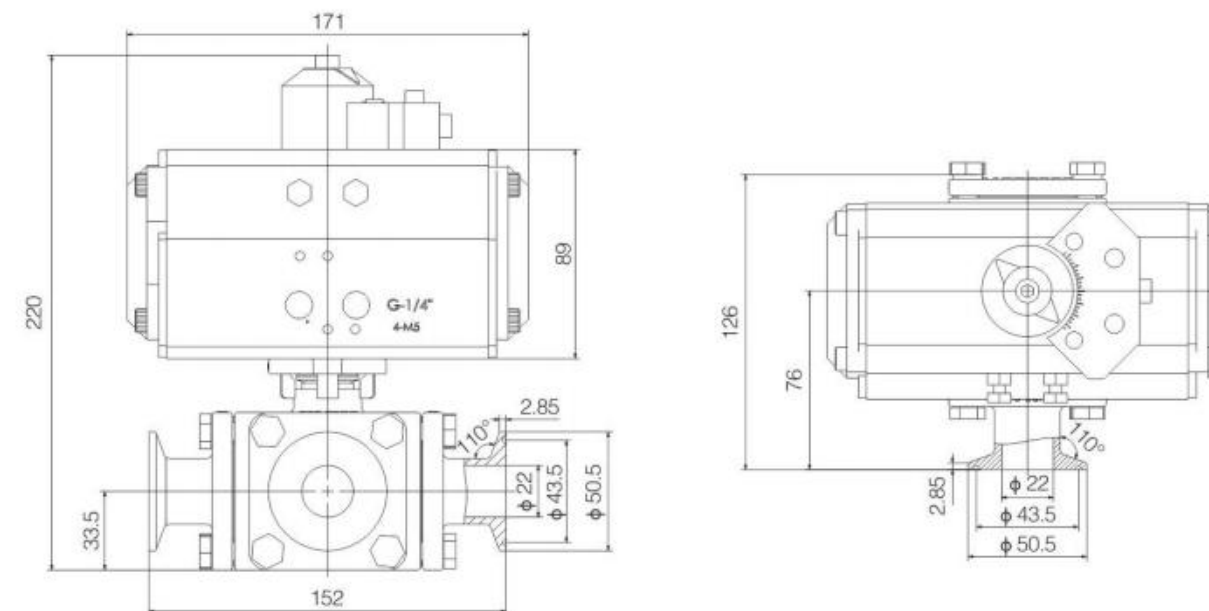
Thread Three-way Platform Pneumatic Solenoid Ball Valve—Specifications

DN	RC	L	SW	L1	H	T	B
10	3/8"	75	27	37.5	112	72	146
15	1/2"	75	27	37.5	112	72	146
20	3/4"	85	33	42.5	116	72	146
25	1"	100	41	50	138	90	146
32	1 1/4"	117	48	58.5	155	100	186
40	1 1/2"	142	55	71	161	100	186
50	2"	156	69	78	199	129	215



Pneumatic Ball Valve

No Residue Pneumatic Three-way Ball Valve



Technical Parameter

Function: L-Type, T-Type
 Working pressure: 6.3Mpa
 Controlling pressure: 0.5-0.8MPa
 Environment temperature: -10°C~+200°C
 Interface: 1/4"
 Supporting: U-type ALS-200D limit switch
 Seal material: Stainless steel
 Main seal parts: PTFE

Description

Non-residual pneumatic full sealed three-way ball valve is designed with PTFE seat seal, and conducive to the stability of the stem, it adopts explosion-proof design. Valve stem is anti-static, and filler of stem is double-layer disc spring. PTFE is used to cover the inner cavity, with no residue and dead corner.

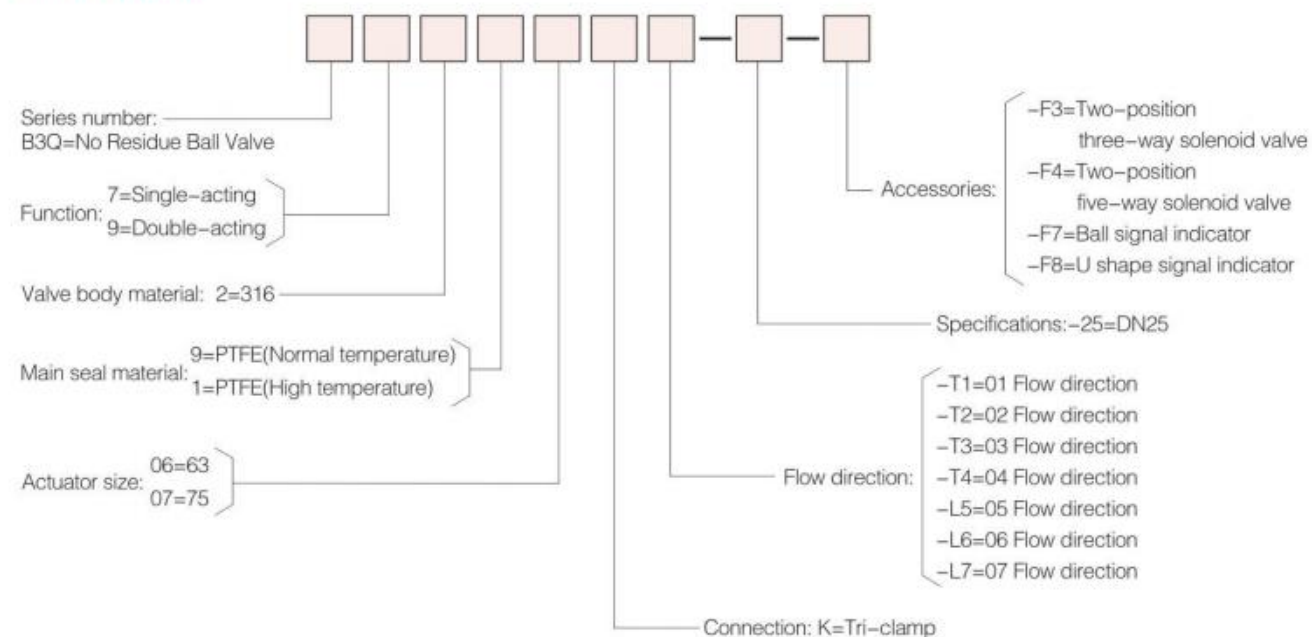
Features

No residue and dead corner. This ball valve is a sanitary valve series for material transfer control. Compatible for food, beverage processing, pharmaceutical and chemical industries.



PTFE No residue

Order Guide





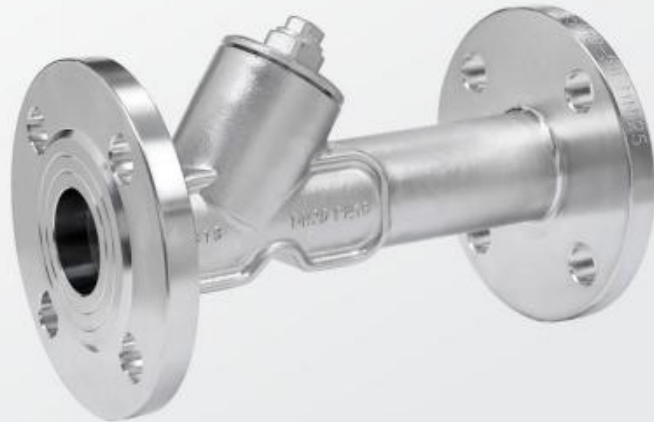
Filter Valve



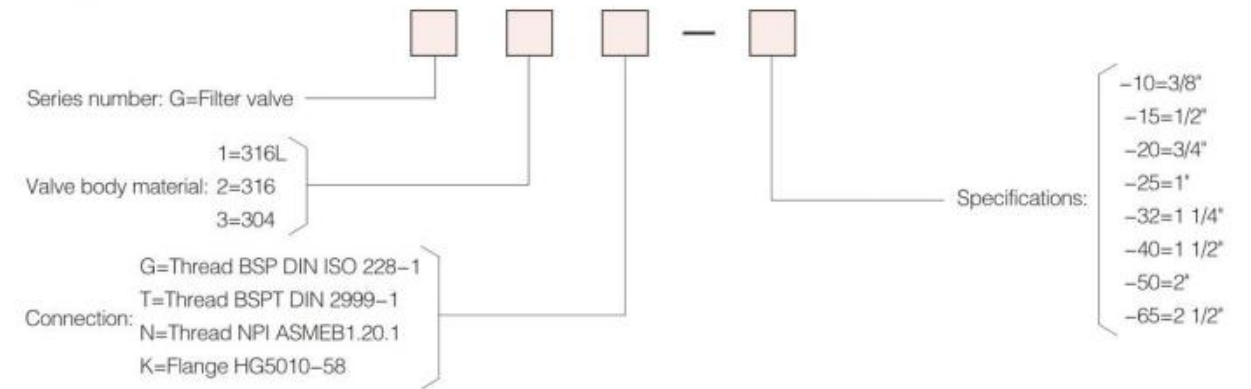
Thread Filter Valve



Flange Filter Valve



Order Guide



* The number of filter sights and materials are replaced according to the customer's needs.

Technical Parameter

Nominal Pressure: PN16
Connection: Thread, Flange

Features

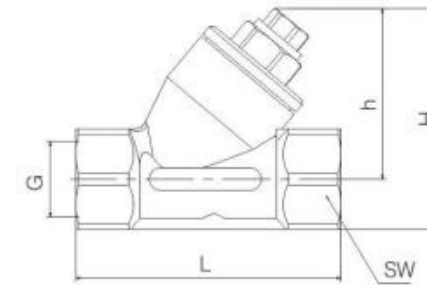
1. Compatible for different types of projects different products can be filtered (particles, impurities, etc).
2. Small size, easy to install, adaptability.
3. Working stable no maintenance.
4. Low cost, easy installation.
5. Reliable long life time, and large filtration.
6. Easy to remove and clean.

Working Principle

Filter screen purify fluid, remove fluid suspended and particles, reduce turbidity, reduce dirt, bacteria and algae. It is a precise valve for purifying fluid and protecting system working properly.

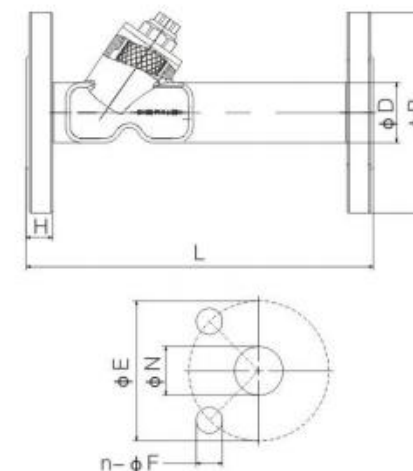
Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.



Thread Filter—Specifications

DN	G	L	SW	h	H
10	3/8"	55	21	37	49
15	1/2"	70	26	44	57
20	3/4"	76	32	47	63
25	1"	91	39	57	77
32	1 1/4"	116	49	77	101
40	1 1/2"	116	55	81	108
50	2"	138	68	86	120
65	2 1/2"	168	85	108	150



Flange Filter—Specifications

DN	L	phi D	phi E	phi N	n-phi F	phi P	H
15	159	24	65	19	4-14	92	11
20	176	31	75	26	4-14	102	13.5
25	188	39	85	33	4-14	112	13.5
32	200	45	100	39	4-18	132	14.5
40	220	52	110	46	4-18	142	15.5
50	223	66	125	59	4-18	157	15.5
65	235	88	145	78	4-18	177	17.5

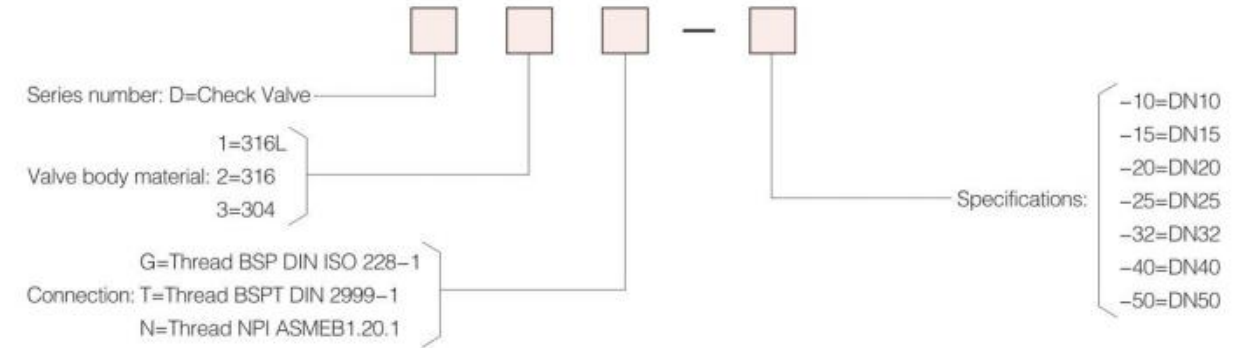


Check Valve

Thread Check Valve



Order Guide



Technical Parameter

Medium temperature: -10°C~+120°C
 Environment temperature: -10°C~+80°C
 Applicable medium: water, neutral gas or liquid, alcohol, oil, organic solvent, steam, dyestuff, acid-base solutions etc.
 Connection: Thread

Features

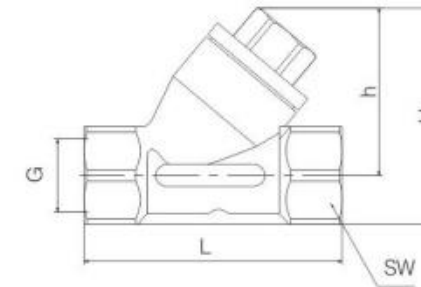
1. Simple structure, easy to install, light weight.
2. Channel unobstructed, low resistance of fluid.
3. Stable operation, it can run for a long time and is not easily damaged after setting.
4. Low purchase price, low maintenance cost, easy to operate.
5. Reliable results, long running time, and large filtration.
6. Easy to remove and clean.

Working Principle

Automatically open and close the valve seat by medium flow, to prevent backward.

Application Field

Filling system, beer brewing and beverage industry, chemistry industry, rubber machinery, textile industry, vacuum technique, food industry, water treatment devices, dyeing industry, washing, disinfecting and high-temperature sterilization, washing machine, etc.



Thread Check Valve—Specifications

DN	G	L	SW	h	H
15	1/2"	70	26	46	59
20	3/4"	76	32	49	65
25	1"	91	40	58	78
32	1 1/4"	116	49	83	107
40	1 1/2"	116	55	83	107
50	2"	138	68	94	128

Accessories

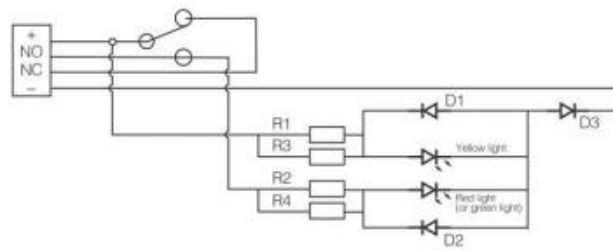
Two-position Device with Indicator



Working Principle

Working with valve. And feedback valve position directly, and remote report valve position status by electronic signal. LED will send out optical position feedback. The feedback module is installed in a splash water proof and compact housing. Also can rotate 360° and easy to install.

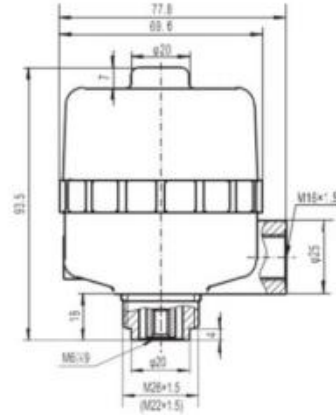
Connection



Air Regulating Filter



Ordering No.: F5



Features

1. Switch cam automatically adjust on and off position by stroke.
2. LED shows the status of operation and feedback position.
3. Splash water proof housing, nice and compact clear shell.
4. Compatible for all occasions.

Technical Parameter

Model	Environment temperature	Installation interface	Cable interface	Voltage	Power	Travel range
ALS-010M2	-20°C -60°C	M26 x 1.5 (M22 x 1.5)	M16 x 1.5	DC12V -18V	DC12V-0.11W DC24V-0.45W DC48V-1.8W	10 -30MM

Ordering No.: F9

Features

Reducing valve with filtering effect, increase the working life.

Technical Parameter

Guarantee pressure resistance	1.5Mpa (15.3kgf/cm ²)
Maximum working pressure	1.0Mpa (10.2kgf/cm ²)
Environment&Fluid temperature	-5-60°C (Not frozen)
Filtering accuracy selection	5 μm Copper filter
Recommended oil	Oil turbine 1 /ISOVG 32
Material of inside cup	PC
Material of shield	AC3000-5000 (Alloy shield)
Voltage regulation range	AC2000-5000 (0.05-0.85Mpa)

Intelligent Positioner



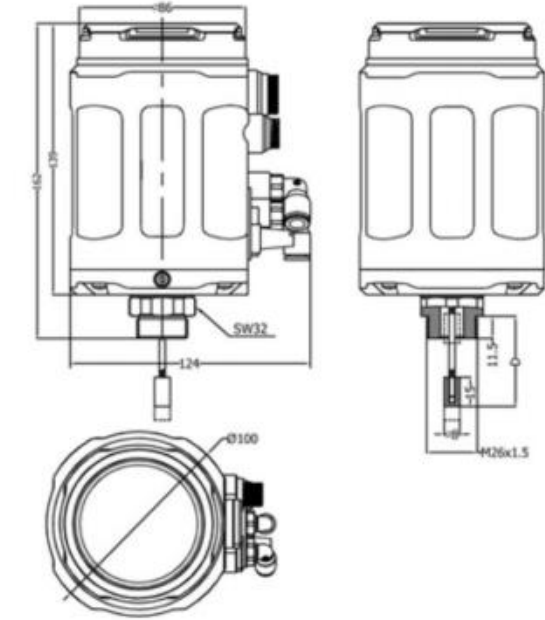
Technical Parameter

Environment temperature: 0-55°C
Protection grade: IP65

Pneumatic Parameter

Air pressure range: 3-7 bar, specific values depending on the actuator;
Connections: Plug-in hose connector G1/4
Air quality: Clean dry air, according to ISO 8573-1;
Maximum particle density 10 mg/m³,
Maximum particle size 40 μm; maximum oil content 25 mg/m³;
Maximum pressure dew point -20°C or minimum 10°C below the lowest operating temperature.
Connection device: cable seal connector
Power supply: 24 V DC ± 10 %. Switching power supply is recommended
Power Consumption: <5W
Setting the signal input impedance: 120 Ω

Ordering No.: F1



Features

1. Easy to install and can be mounted directly on the valve.
2. The switch cam can be automatically adjusted on and off position by stroke.
3. The LED lamp shows the status for operation and feedback position.
4. Splash housing, compact and beautiful, transparent shell to clear recognition.
5. Compatible for all applications.

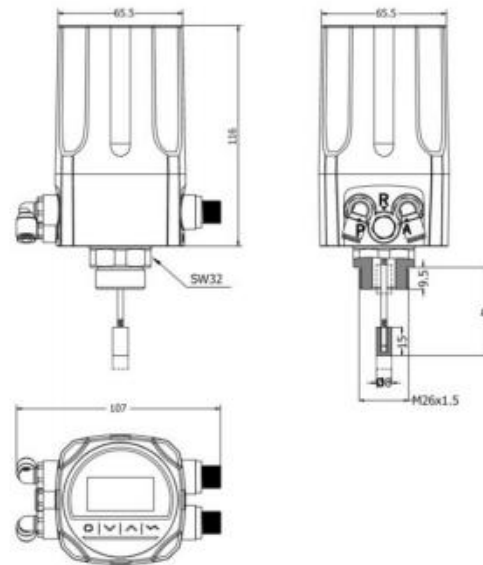
Working Principle

Positioner is a valve stroke controller based on microprocessor. The valve stroke can be set by external input signal. The positioner can adjust valve stroke quickly and accurately by using automatic control algorithm and PWM control technology. The product can be used in sealed space and controlled automatically and remotely. It is easy to install, operate, maintain and has low failure rate.

New Model
Intelligent Positioner



Ordering No.: F2



Technical Parameter

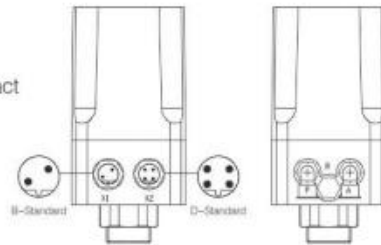
Material: PC SD PA6-GF30
 Power: Direct-current 24V +10%
 Signal Input: 0/4-20mA
 Setting the signal input impedance: 120Ω
 Compressed air requirement:
 Neutral gas meets DIN ISO 8573-1 requirements.
 Particle size: Class 5 (≤40 μm particle size)
 Density: Class 5 (<10mg/m³)
 Coagulation: Cass 3 (<-20°C)
 Oil concentration: Class 5 (<25mg/m³)
 Environment temperature: 0-70°C
 Pneumatic connector: 1/4 inch plug-in hose connection (ID φ 6mm)
 Electrical quick-connector:
 M12 two pin B standard (Cable diameter φ 4-6mm)
 M12 four pin D standard (Cable diameter φ 4-6mm)
 Power pressure: 3-7bar. The specific value depends on the actuator
 Output flow: 17l/min (output pressure: 0.6MPa)
 Controlling range of valve stroke: Straight stroke 5-30 mm
 Installation way: Tends to be mounted on top of the executor, encountering threads and executor connections.
 Protection grade: IP66
 Power Consumption: <5W
 Anti-hazard classification: Ex nA II C T4

Working Principle

New model positioner is a valve stroke controller based on microprocessor. The valve stroke can be set by external input signal. The positioner can adjust valve stroke quickly and accurately by using automatic control algorithm and PWM control technology. The product can be used in sealed space and controlled automatically and remotely. It is easy to install, operate, maintain and has low failure rate.

Features

1. Small size and compact
2. LED screen
3. Quick and easy start
4. Ex nA anti-hazard



Electrical Terminals

Connection	Pin	Description	Signal Type
X1	1	Analog signal output+	0/4-20mA
	3	Analog signal output GND	GND
X2	1	Power supply+	+24V
	2	Power supply GND	GND
	3	Setting signal input+	0/4-20mA
	4	Setting signal input GND	GND

Pneumatic Terminals

Connection	Description
P	Air inlet (filter size 5μm)
R	Evacuating
A	Guide air port

Solenoid Valve

Ordering No.:
 -F3=Two-position three-way solenoid valve
 -F4=Two-position five-way solenoid valve



Technical Parameter

Fluid: Air (Filtered by a 40 micron filter element)
 Connector: G1/8"
 Power supply: 24V DC or 220V AC
 Voltage: 0.15-0.8 MPa
 Environment temperature: -5°C-+50°C
 Protection grade: IP65
 Suitable for all calibre Angle seat valves, can be connected with 2-digit 5-digit or 2-digit 3-digit solenoid valves.

Ball Valve Limit Switch Device

Ordering No.: F7=Ball signal indicator



Features

Identify feedback valve status by color changing, easy to install and maintenance-free.

Limit Switch Device

Ordering No.: F6

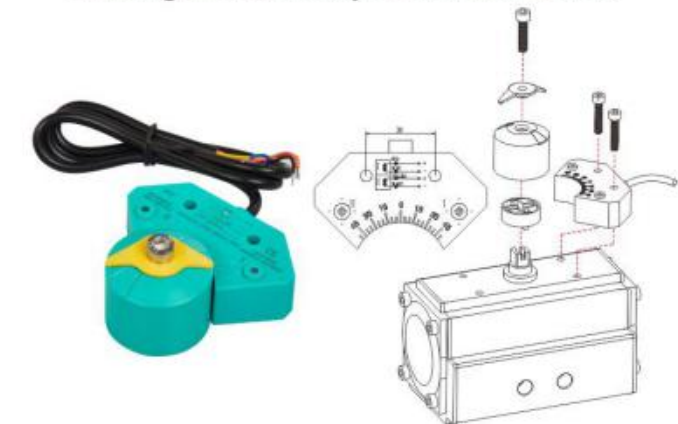


Technical Parameter

Voltage: 10-30V DC
 Protection grade: IP67
 Detection distance: 3mm ± 10% (selectable)
 Environment temperature: -25°C-+70°C
 Material: Body: brass nickel plating
 Detection of surface: ABS
 Suitable for all calibre corner seat valves, used to detect the valve switch status, feedback valve door opening and closing signal.

U Shape Signal Indicator

Ordering No.: F8=U shape limit switch device



Technical Parameter

U shape signal indicator can quick detect valve status (On/Off), and transfer the signal to PLC, qualified with NAMUR, compatible for actuators.



Additional Valve



Pneumatic shuttle valve Q107-20



Solenoid valve Q2W



Solenoid valve Q2LUS



Faucet Q002



Drainer Q007



Sushi tap Q801-A

Solenoid valve—Specifications

Specifications	DN 10/20/30/40/50							DN 10/20/30/40/50							
Graphic symbol															
Fluid	Steam, water, air							Water, air							
Actuation mode	Guided							Direct							
Mode	Normal closed							Normal closed							
Aperture of flow rate	17	22	30	50	16	16	20	25	35	40	50				
CV value	4.8	12	20	48	4.8	4.8	7.6	12	24	29	48				
Connection diameter	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"	G2"	
Fluid viscosity	20CTS以下							20CTS below							
Working pressure	steam, Hot-air, Oil 0.5-15							Air: 0-0.7MPa							
Max pressure	0.2MPa							1.05MPa							
Environment temperature	-5-180°C							-5-180°C							
Power range	+/-10%							+/-10%							
Material of body	Brass							Brass							
Material of oil	EPDM, PTFE							EPDM/PTFE							
Standard power	AC: 220V 110V DC: 24V 12V														