

Angle Seat Valve and Diaphragm Valve





Angle seat valve



Product features

- Fast flow, small flow resistance, no water hammer
- Design Y, increase 30% flow rate
- Long service life
- Seat automatic correction, self-lubrication and maintenance
- Qigong is made of stainless steel or polyamide PA which can be used in bad environment
- Can be installed in any position, can rotate 360 °C

Range of application

- Beer and beverage filling equipment
- Pharmaceutical and medical equipment
- Water and sewage treatment equipment
- Printing and dyeing, foaming machinery
- Chemical industry, high temperature sterilization
- The gas industry

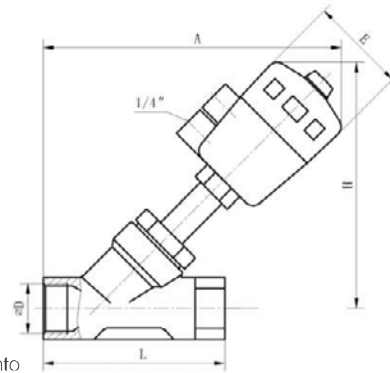
Technical parameters

Line pressure	0 ~ 1.6MPa
Control the pressure	0.3 ~ 0.8Mpa
Control gas	Neutral gas or air
Body Material	CF8/304、CF8M/316
Sealing material	PTFE
Cylinder material	CF8/304、Nylon、Aluminum alloy
Medium temperature	-20℃ ~ 180℃、25℃ ~ 220℃
Environment temperature	-20℃ ~ 80℃
Medium viscosity	≤ 600mm ² /s
Control mode	Single action normally closed、Single action normally open、Double acting、Manual operation
Connection method	Thread、Welding、Quick Loading、Flange
Applicable medium	Water, Alcohol, Oil, Fuel, Steam, Neutral gases or Liquids, Organic Solvents, Acid and Alkali Soluble
Optional accessories	Proximity switch, Solenoid valve, Manual stroke limit, Intelligent locator

Screw angle seat valve



Higher than that of low into



High in low out

Ordinary

High in low out

Overall dimensions (mm)

SPECIFICATION	L	A	H	D	E	ACTUATOR
DN10	65	165	120	3/8"	64	Φ50
DN15	86	172	137	1/2"	64	Φ50
DN20	95	178	145	3/4"	64	Φ50
DN25	105	210	165	1"	64	Φ50
DN32	120	220	180	1 1/4"	80	Φ63
DN40	130	228	190	1 1/2"	80	Φ63
DN50	150	268	245	2"	100	Φ80
DN65	185	282	272	2 1/2"	100	Φ80
DN80	220	362	302	3"	126	Φ100
DN100	235	420	395	4"	156	Φ125

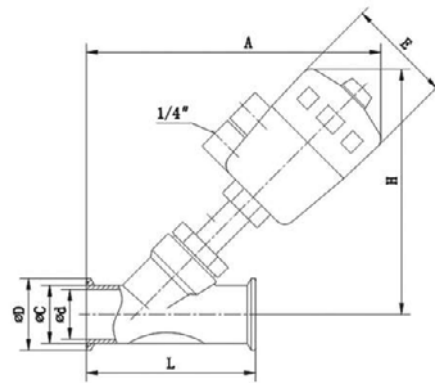
Water hammer

Higher than that of low into

Overall dimensions (mm)

SPECIFICATION	L	A	H	D	E	ACTUATOR
DN10	65	155	120	3/8"	64	Φ50
DN15	86	163	141	1/2"	64	Φ50
DN20	95	180	145	3/4"	64	Φ50
DN25	105	212	181	1"	80	Φ63
DN32	120	240	200	1 1/4"	100	Φ63
DN40	130	243	202	1 1/2"	100	Φ80
DN50	150	270	285	2"	126	Φ80
DN65	185	340	284	2 1/2"	126	Φ100
DN80	220	400	335	3"	156	Φ100
DN100	235	405	365	4"	156	Φ125

Quick corner valve

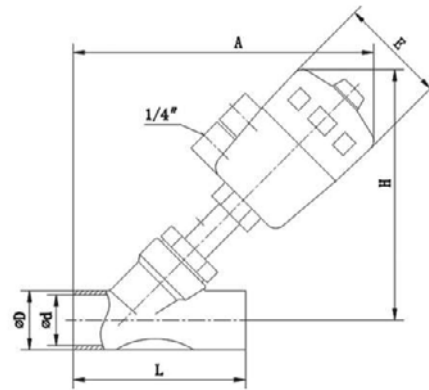


Fast

Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	A	d	D1	D	H
DN15	Φ50	120	188	15	50.5	21	142
DN20	Φ50	140	198	20	50.5	25	143
DN25	Φ63	160	243	25	50.5	33	182
DN32	Φ63	175	250	35	50.5	40	182
DN40	Φ63	190	265	38	50.5	44	186
DN50	Φ80	210	292	48	64	57	219
DN63	Φ80	210	330	58	77.5	64	340
DN65	Φ80	225	380	68	91	77	375

Welding Angle seat valve

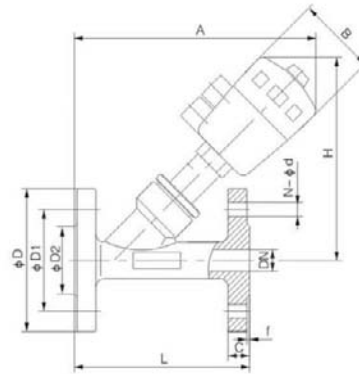


Welding

Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	A	d	D	H
DN10	Φ50	85	166	10	14	64
DN15	Φ50	100	177	15	21.5	64
DN20	Φ50	120	184	21.5	26.5	64
DN25	Φ63	140	224	28.5	32.5	80
DN32	Φ63	155	250	35	41	80
DN40	Φ63	170	257	38	45	80
DN50	Φ80	190	290	48	57	100
DN63	Φ80	200	325	58	64	100
DN65	Φ80	200	352	68	77	100
DN80	Φ100	220	385	82	92	126

Flange seat valve

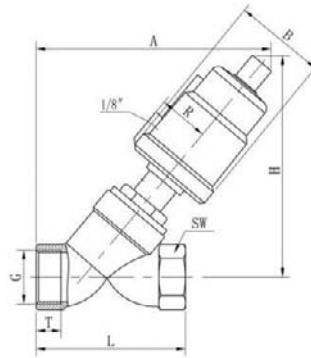


Flange

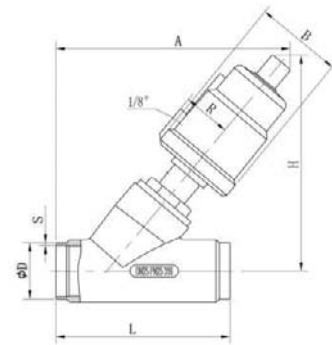
Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	A	H	D	D1	D2	T	f	N-Φd	E
DN15	Φ50	120	188	137	95	65	40	14	2	4-Φ14	64
DN20	Φ50	130	185	145	105	75	50	14	2	4-Φ14	64
DN25	Φ63	140	210	173	115	85	60	14	2	4-Φ14	80
DN32	Φ63	150	240	210	135	100	70	16	2	4-Φ18	80
DN40	Φ63	180	245	260	145	110	80	16	2	4-Φ18	80
DN50	Φ80	195	295	300	160	125	92	16	2	4-Φ18	100
DN65	Φ100	230	320	315	185	145	115	18	2	4-Φ18	126
DN80	Φ100	250	330	330	195	160	130	18	2	8-Φ18	126
DN100	Φ125	280	360	350	215	180	150	18	2	8-Φ18	126

The type 1100 air control corner valve



Screw

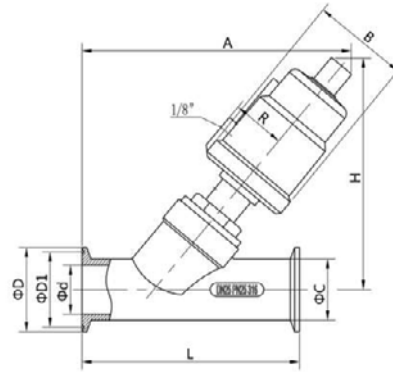


Welded

Overall dimensions (mm)

Specifi- cations	Actuator	B	R	H	Screw					Welded									
					G	T	A	L	SW	A	L	DIN11850-2		DIN11850-3		SMS53008			
												D	S	D	S	A	L	D	L
DN10	40	50.5	27	112	3/8"	12	124	68	27	-	-	-	-	-	-	-	-	-	-
	50	60	33	125			135			-	-	-	-	-	-	-	-	-	-
DN15	40	50.5	27	112	1/2"	15	124	68	27	118	70	19	1.5	20	2	127	75	18	1
	50	60	33	125			135			128						138			
DN20	50	60	33	132	3/4"	16	140	75	32	135	82	23	1.5	24	2	145	95	25	1.2
	50	60	33	136			150			150						165			
DN25	63	75	41	162	1"	17	172	90	40	175	100	29	1.5	30	2	188	130	32	1.2
	90AL	112	57	210			215			216						230			
	90	106	55	211			216			218						232			
	63	75	41	174			190			186						200			
DN32	90AL	112	57	220	1 1/4"	21	230	116	50	230	125	35	1.5	36	2	242	145	33.7	1.2
	90	106	55	223			235			232						245			
	63	75	41	175			190			190						210			
DN40	90AL	112	57	220	1 1/2"	21	230	116	56	232	130	41	1.5	42	2	252	160	38	1.2
	90	106	55	223			235			235						255			
	63	75	41	183			205			206						224			
DN50	90AL	112	57	232	2"	22	245	138	69	247	155	53	1.5	54	2	263	175	51	1.2
	90	106	55	232			250			250						265			
	125AL	148	74	287			294			250						265			
	90AL	112	57	262			282			-						-			
DN65	90	106	55	265	2 1/2"	26	285	178	85	-	-	-	-	-	-	-	-	-	-
	125AL	148	74	302			320			-						-			
	90AL	112	57	262			282			-						-			
DN80	125AL	148	74	313	3"	27	372	210	100	-	-	-	-	-	-	-	-	-	-

The type 1100 vent card hob valve

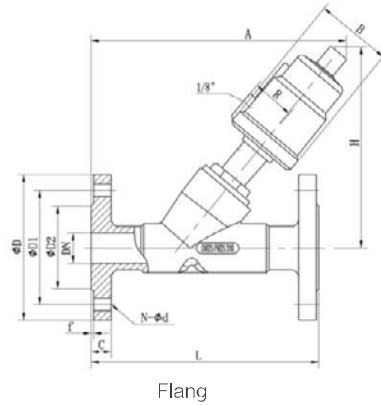


Fast

Overall dimensions (mm)

SPECIFICATION	ACTUATOR	D	D1	C	d	L	A	H
DN15	50	34	27.5	19	15	80	140	126
DN20	50	50.5	43.5	25	21	102	148	126
DN25	50	50.5	43.5	32	27	130	165	140
	63						188	166
DN32	63	50.5	43.5	37	31	146	200	174
	90						245	223
DN40	63	64	56.5	40	33	160	210	175
	90						255	223
DN50	63	64	56.5	53	45	175	221	185
	90						265	235

The 1100 type air control flange angle valve

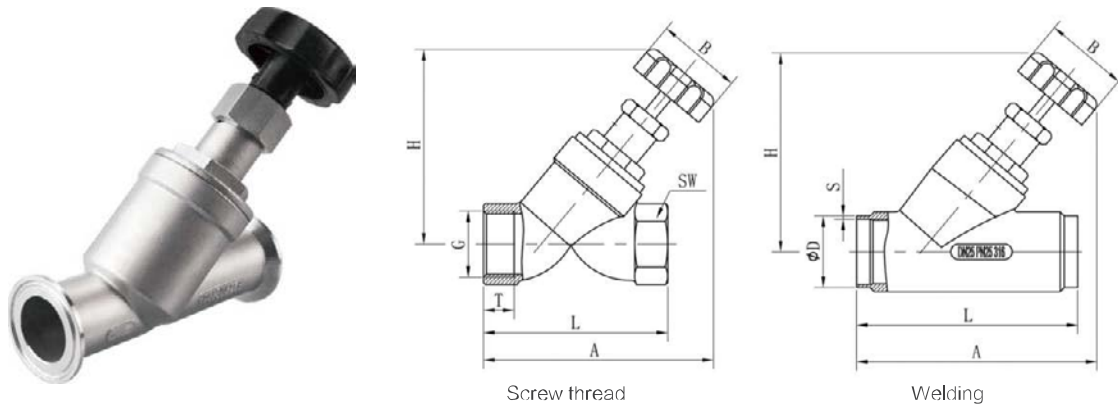


Overall dimensions (mm)

SPECIFICATION	ACTUATOR	A	H	L	F	C	D1	N-φd	DN	D2	D
DN15	50	160	125	150	2	14	65	4-φ14	16	45	95
DN20	50	165	132	160	2	14	75	4-φ14	20	56	105
DN25	50	165	136	160	2	14	85	4-φ14	25	65	115
	63	185	162								
DN32	63	200	175	195	2	16	100	4-φ18	32	78	140
	90	245	223								
DN40	63	202	175	200	3	16	110	4-φ18	38	84	150
	90	246	223								
DN50	63	222	183	230	3	16	125	4-φ18	49	100	165
	90	266	232								
	125	315	287								
DN65	90	340	285	290	3	18	145	4-φ18	66	120	185
	125	375	302								
DN80	125	387	313	310	3	20	160	8-φ18	78	135	200
DN100	125	410	382	350	3	20	180	8-φ18	96	155	215

Flange standard: JB/T82.1-1884; Can be customized according to customer requirements, ISO/DIN/JID, etc

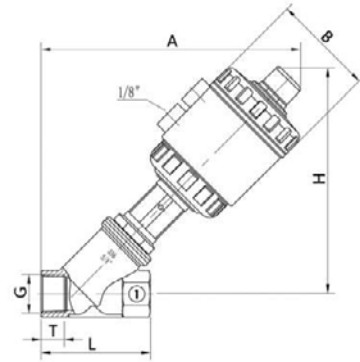
The 1108 type manual angle valve



Overall dimensions (mm)

Specifications	B	H	Screw				Welded									
			G	T	A	SW	A	L	DIN11850-2		DIN11850-3		SMS53008			
									D	S	D	S	A	L	D	S
DN10	65	111	3/8"	12	125	27		-								
DN15	65	111	1/2"	15	125	27	166	70	19	1.5	20	2	126	75	18	1
DN20	65	118	3/4"	16	130	32	123	82	23	1.5	24	2	135	95	25	1.2
DN25	65	130	1"	17	146	40	142	100	29	1.5	30	2	155	130	32	1.2
DN32	65	144	1 1/4"	21	162	50	160	125	35	1.5	36	2	175	145	33.7	1.2
DN40	65	144	1 1/2"	21	165	56	164	130	41	1.5	42	2	185	160	38	1.2
DN50	65	150	2"	22	138	69	177	155	53	1.5	54	2	195	175	51	1.2
DN65	92	196	2 1/2"	26	178	85										

The 1201 type pneumatic angle valve

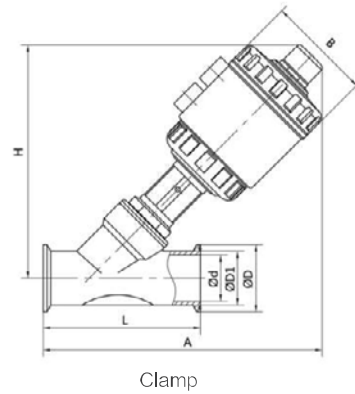


Screw

Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	A	H	G	B
DN15	50	65	173	152	G1/2"	70
DN20	50	75	179	157	G3/4"	70
DN25	63	90	209	182	G1"	84
DN32	63	110	214	192	G1-1/4"	84
DN40	90	120	250	220	G1-1/2"	115
DN50	90	150	267	226	G2"	115

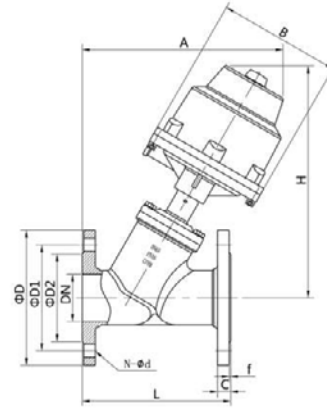
The 1201 type pneumatic clamp angle seat valve



Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	A	B	d	D1	D	H
DN15	50	120	180	70	15	21	50.5	137
DN20	50	140	185	70	20	25	50.5	145
DN25	63	160	210	84	25	33	50.5	173
DN32	63	176	240	84	35	40	50.5	250
DN40	90	190	250	115	38	44	50.5	260
DN50	90	210	320	115	48	56	64	310

The 1205 type air control flange angle valve



Flange

Overall dimensions (mm)

SPECIFICATION	ACTUATOR	L	C	F	D	D1	D2	A	H	B	N-Ød
DN65	Ø125	203	18	3	180	145	120	275	318	168	4-Ø18
DN80	Ø125	241	20	3	195	160	135	302	345	168	8-Ø18
DN80	Ø160	241	20	3	195	160	135	330	380	220	8-Ø18
DN100	Ø160	254	20	3	215	180	155	338	395	220	8-Ø18

The 1400/1401 type proportional adjusting angle seat valve



Product features

- Stainless steel case design
- Electric water-proof joint
- With a backlit LCD screen
- Quick start
- Rich add-ons



Introduction to smart locator

Intelligent valve positioner is designed for one-piece pneumatic valve, especially for Angle seat valve and diaphragm valve. Among them, 1401 is process control type, 1400 without process control function. This product is easy to operate and rich in software functions. It can be operated easily through LCD panel and key. The product senses valve opening through position sensor and minimizes energy consumption.

Intelligent locator parameters

Material	PC, PA, Stainless steel, Silicone rubber	
Power	DC 24 v + / - 10%	
Signal input	0/4~20mA or 0-5/100	
Set signal input impedance	240 Ω 0/4 ~ 20 mA signal	21KΩ 0/4 ~ 10V signal
Compressed air requirement	The neutral gas meets DIN ISO 8573-1 Class 5(<40 μ m) Class 5(<10mg/m) Class 3(<-20℃) Class 5(<25mg/m)	
Particle size requirement		
Particle density requirement		
Condensation point requirements		
Oil concentration requirement	Class 5(<25mg/m)	
Environment temperature	-20 ~ 55℃	
Gas interface	Straight plug quick joint(inner diameter ϕ8mm, 6mm or 1/4")	
Electric quick coupling	M13x1.0 Three stitches(Cable diameter ϕ5mm) M17x1.0 Nine stitches(Cable diameter ϕ6mm) M13x1.0 Four stitches(Cable diameter ϕ5mm)	
Air pressure	The minimum operating pressure of the actuator is 0.5 ~ 1bar, maximum no more than 7bar	
Position sensor stroke/stem stroke	5 ~ 50mm	
Installation	Tends to be mounted at the top of the executor and is connected via M26 threads and actuators	
Protection grade	IP65 meet EN60529	
Power consumption	<5W	

Control system composition and accessories

