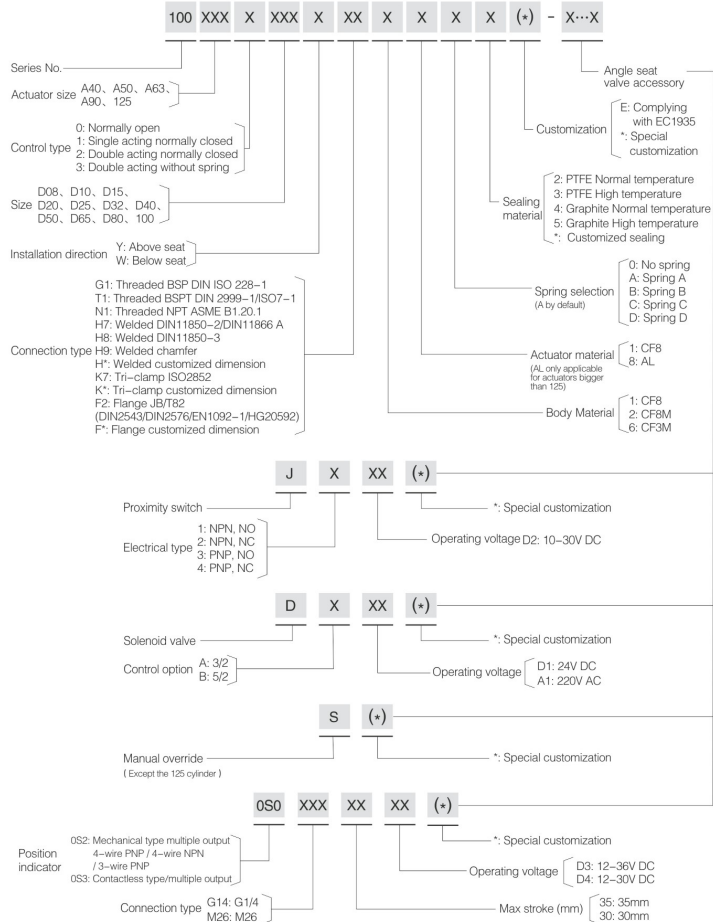




Y-type Angle Seat Valve

Order Instruction



101 Series Pneumatic Angle Seat Valve



Technical Specification

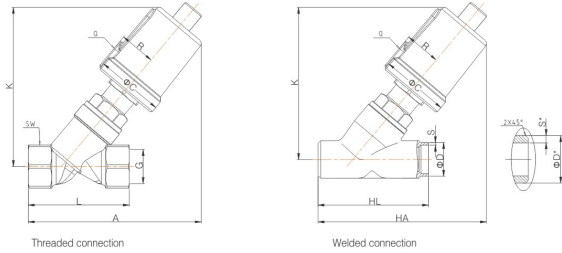
- Operating pressure: 0-10bar (0-145psi)
- Control pressure: 3-8bar (43.5-116psi)
- Control fluid: Filtered compressed air or neutral gas
- Cylinder material: CF8
- Body material: CF8/CF8M/CF3M and other special materials
- Seat material: PTFE
- Applicable medium: Water, Oil, Air, Liquid, Organic solvent, Acid and lye
- Medium temperature: -10°C — +180°C
- Ambient temperature: -10°C — +80°C
- Control type: Single acting normally closed, Double acting normally closed, Double acting without spring
- Connection type: Threaded, Welded, Tri-clamp, Flanged
- Leakage class: DIN EN 12266 Class A

Advantages

- Lightweight appearance, compact structure, and excellent performance.
- Y-shaped structure design of the valve body features high flow rate, low flow resistance, and rapid action response.
- Stainless steel actuator, better performance for harsh environments and can rotate 360°.

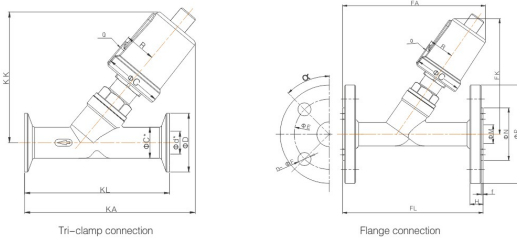


Y-type Angle Seat Valve



Main Dimension

Size	Actuator (mm)	Q	øC	R	K	Threaded connection				Welded connection									
						G	A	L	SW	HA	HL	Chamfer		DIN11850-2		DIN11850-3			
						øD*	S*	øD	S	øD	S	øD	S						
DN8	28	1/8"	42	21	105	1/4"	115	68	27	-	-	-	-	-	-	-	-	-	-
DN10	28	1/8"	42	21	105	3/8"	115	68	27	-	-	-	-	-	-	-	-	-	-
DN15	28	1/8"	42	21	105	1/2"	115	68	27	105	70	22	3.5	19	1.5	20	2	-	-
DN20	40	1/8"	50.5	27	130	3/4"	135	75	32	135	82	29	5	23	1.5	24	2	-	-
DN25	40	1/8"	50.5	27	135	1"	145	90	40	145	100	35	5	29	1.5	30	2	-	-
DN32	50	1/8"	60	33	165	1 1/4"	180	116	50	175	125	39	4	35	1.5	36	2	-	-
DN40	50	1/8"	60	33	170	1 1/2"	180	116	56	180	130	45	4.5	41	1.5	42	2	-	-
DN50	50	1/8"	60	33	175	2"	195	138	69	195	155	57	4	53	1.5	54	2	-	-



Main Dimension

Size	Tri-clamp connection (Chuck standard ISO 2852)						Flange connection (Flange standard JB/T 82.1)										
	KK	KA	KL	øC*	ød*	D	FK	FA	FL	f	H	E	N-F	M	N	P	α
DN15	105	120	80	20.5	15	34	110	130	130	2	14	65	4-14	16	45	95	45°
DN20	135	145	130	25	19	50.5	135	155	150	2	14	75	4-14	19	56	105	45°
DN25	135	155	130	33	27	50.5	140	160	160	2	14	85	4-14	26	65	115	45°
DN32	160	185	146	37	31	50.5	175	180	180	2	16	100	4-18	31	78	140	45°
DN40	165	200	160	40	34	64	180	200	200	3	16	110	4-18	38	84	150	45°
DN50	180	210	175	53	45	64	185	230	230	3	16	125	4-18	54	100	165	45°

Note: * designates design dimension (the actual dimension may vary)

101 Series Pressure Parameter

Single Acting, Normally Closed (NC)
-Enter Above Seat

Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	0.5-0.7
DN10	G3/8"	13	3.6	28	0-1.0	0.5-0.7
DN15	G1/2"	13	4.1	28	0-1.0	0.5-0.7
DN20	G3/4"	18	7.1	40	0-1.0	0.4-0.6
DN25	G1"	24	11.9	40	0-1.0	0.4-0.65
DN32	G1 1/4"	31	24.8	50	0-1.0	0.35-0.7
DN40	G1 1/2"	35	28.7	50	0-0.7	0.35-0.7
DN50	G2"	45	44.3	50	0-0.45	0.35-0.7

Single Acting, Normally Closed (NC)
-Enter Below Seat

Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	≥0.5
DN10	G3/8"	13	3.6	28	0-1.0	≥0.5
DN15	G1/2"	13	4.1	28	0-1.0	≥0.5
DN20	G3/4"	18	7.1	40	0-0.8	≥0.4
DN25	G1"	24	11.9	40	0-0.3	≥0.4
DN32	G1 1/4"	31	24.8	50	0-0.5	≥0.5
DN40	G1 1/2"	35	28.7	50	0-0.4	≥0.5
DN50	G2"	45	44.3	50	0-0.15	≥0.5

Double Acting, Normally Closed (NC)
-Enter Above Seat

Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	0.5-0.7
DN10	G3/8"	13	3.6	28	0-1.0	0.5-0.7
DN15	G1/2"	13	4.1	28	0-1.0	0.5-0.7
DN20	G3/4"	18	7.1	40	0-1.0	0.4-0.6
DN25	G1"	24	11.9	40	0-1.0	0.4-0.65
DN32	G1 1/4"	31	24.8	50	0-1.0	0.35-0.7
DN40	G1 1/2"	35	28.7	50	0-0.7	0.35-0.7
DN50	G2"	45	44.3	50	0-0.45	0.35-0.7

Double Acting, Normally Closed (NC)
-Enter Below Seat

Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	0.5-0.7
DN10	G3/8"	13	3.6	28	0-1.0	0.5-0.7
DN15	G1/2"	13	4.1	28	0-1.0	0.5-0.7
DN20	G3/4"	18	7.1	40	0-1.0	0.4-0.5
DN25	G1"	24	11.9	40	0-1.0	0.4-0.5
DN32	G1 1/4"	31	24.8	50	0-1.0	0.35-0.6
DN40	G1 1/2"	35	28.7	50	0-1.0	0.35-0.6
DN50	G2"	45	44.3	50	0-0.45	0.35-0.7

Double Acting Without Spring
-Enter Above Seat

Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	0.3-0.6
DN10	G3/8"	13	3.6	28	0-1.0	0.3-0.6
DN15	G1/2"	13	4.1	28	0-1.0	0.3-0.6
DN20	G3/4"	18	7.1	40	0-1.0	0.3-0.4
DN25	G1"	24	11.9	40	0-1.0	0.3-0.5
DN32	G1 1/4"	31	24.8	50	0-1.0	0.3-0.5
DN40	G1 1/2"	35	28.7	50	0-1.0	0.3-0.6
DN50	G2"	45	44.3	50	0-0.65	0.3-0.7

Double Acting Without Spring
-Enter Below Seat

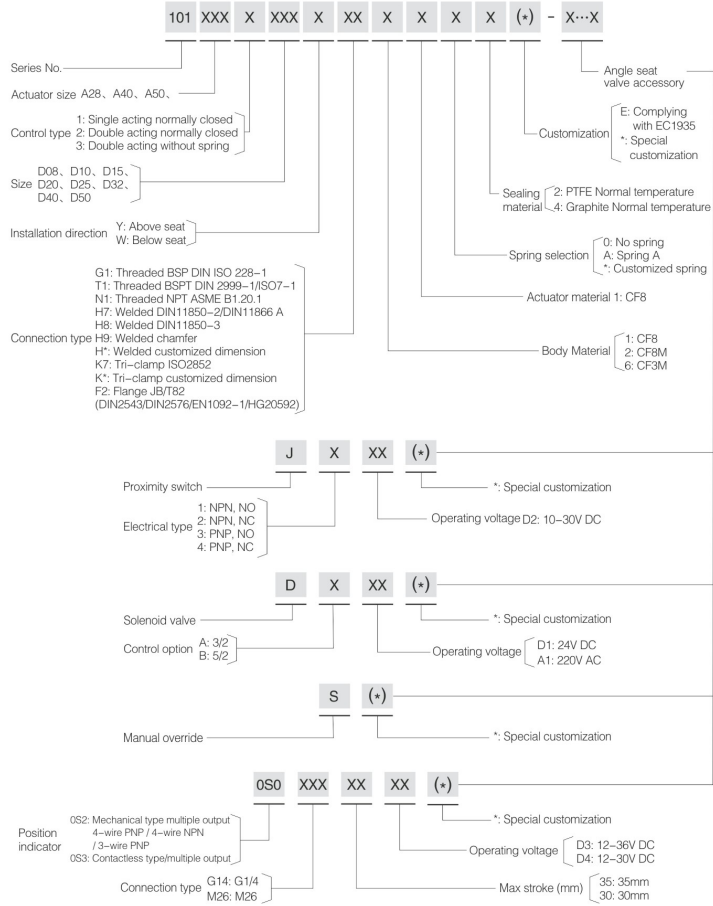
Size	Thread end	Orifice (mm)	Flow value Kv(m ³ /h)	Actuator (mm)	Differential pressure range P(MPa)	Control pressure (MPa)
DN8	G1/4"	13	1.7	28	0-1.0	0.3-0.6
DN10	G3/8"	13	3.6	28	0-1.0	0.3-0.6
DN15	G1/2"	13	4.1	28	0-1.0	0.3-0.6
DN20	G3/4"	18	7.1	40	0-1.0	0.3-0.5
DN25	G1"	24	11.9	40	0-1.0	0.3-0.7
DN32	G1 1/4"	31	24.8	50	0-1.0	0.3-0.6
DN40	G1 1/2"	35	28.7	50	0-1.0	0.3-0.7
DN50	G2"	45	44.3	50	0-0.35	0.3-0.7

Note: In order to ensure product performance, it is recommended to select product according to the highest value in the <= 90% pressure range



Y-type Angle Seat Valve

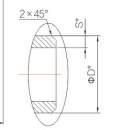
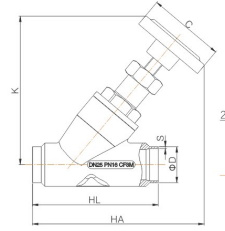
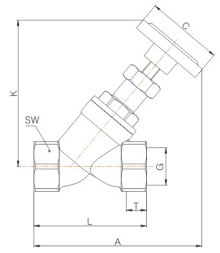
Order Instruction



107 Series Threaded Manual Angle Seat Valve



107 Series Welded Manual Angle Seat Valve



Main Dimension

Size	C	K	Threaded connection						Welded connection							
			G	T	A	L	SW	HA	HL	Chamfer		DIN11850-2		DIN11850-3		
										ØD*	S*	ØD	S	ØD	S	
DN8	62	115	1/4"	12	128	68	27	-	-	-	-	-	-	-	-	-
DN10	62	115	3/8"	12	128	68	27	-	-	-	-	-	-	-	-	-
DN15	62	115	1/2"	15	128	68	27	120	70	22	3.5	19	1.5	20	2	
DN20	62	120	3/4"	16	133	75	32	128	82	29	5	23	1.5	24	2	
DN25	62	125	1"	17	142	90	40	144	100	35	5	29	1.5	30	2	
DN32	62	146	1 1/4"	21	166	116	50	165	125	39	4	35	1.5	36	2	
DN40	62	148	1 1/2"	21	168	116	56	168	130	45	4.5	41	1.5	42	2	
DN50	62	155	2"	22	182	138	69	182	155	57	4	53	1.5	54	2	
DN65 <small>(Spain control)</small>	80	211	2 1/2"	26	226	178	85	270	270	75	5	70	2	-	-	

Note: * designates design dimension (the actual dimension may vary)