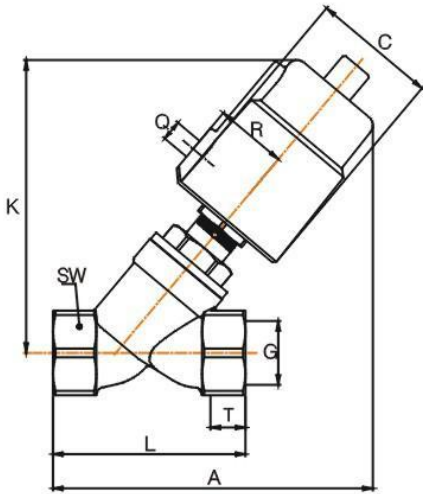


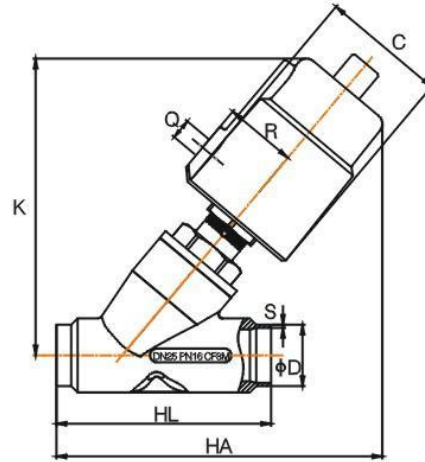
Pneumatic Angle Seat Valve

ESG[®]

100 SERIES



Threaded Connection



Welded Connection

Dimension

size	Actuator (mm)	Q	C	R	K	Threaded connection					Welded connection					
						G	T	A	L	SW	HA	HL	DIN11850-2		DIN11850-3	
													D	S	D	S
DN10	40	1/8"	50.5	27	112	3/8"	12	124	68	27	-	-	-	-	-	-
	50	1/8"	60	33	125			135			-	-	-	-		
DN15	40	1/8"	50.5	27	112	1/2"	15	124	68	27	118	70	19	1.5	20	2
	50	1/8"	60	33	125			135			128					
DN20	50	1/8"	60	33	132	3/4"	16	140	75	32	135	82	23	1.5	24	2
DN25	50	1/8"	60	33	136	1"	17	150	90	40	150	100	29	1.5	30	2
	63	1/8"	75	41	162			172			175					
	90AL	1/8"	112	57	210			215			216					
	90	1/8"	106	55	211			216			218					
DN32	63	1/8"	75	41	174	1 1/4"	21	190	116	50	186	125	35	1.5	36	2
	90AL	1/8"	112	57	220			230			232					
	90	1/8"	106	55	223			235			232					
DN40	63	1/8"	75	41	175	1 1/2"	21	190	116	56	190	130	41	1.5	42	2
	90AL	1/8"	112	57	220			232			235					
	90	1/8"	106	55	223			235			235					
DN50	63	1/8"	75	41	183	2"	22	205	138	69	206	155	53	1.5	54	2
	90AL	1/8"	112	57	232			245			247					
	90	1/8"	106	55	232			250			250					
	125AL	1/4"	170	85	300			305			307					
	90AL	1/8"	112	57	262			282			320					
DN65	90	1/8"	106	55	265	2 1/2"	26	285	178	85	325	270	70	2	-	-
	125AL	1/4"	170	85	315			327			365				-	-
	90AL	1/8"	112	57	280			270			315				-	-
DN65 square connection	90	1/8"	106	55	280	2 1/2"	26	275	178	85	320	270	70	2	-	-
	125AL	1/4"	170	85	330			320			360				-	-
DN80 square connection	125AL	1/4"	170	85	355	3"	27	340	210	100	360	284	85	2	-	-
	125AL	1/4"	170	85	327			380			370				284	85

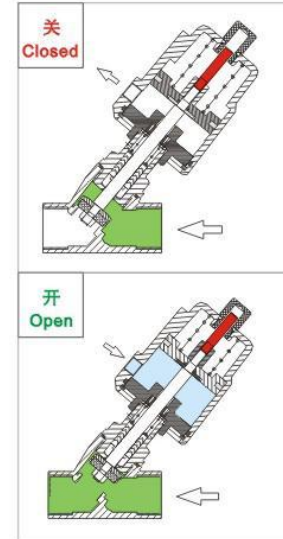
Pressure Data Sheet

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

suitable for condensable media, such as air, steam; and low pressure liquid media.

Dimensions

size	Thread end	Orifice(mm)	Kv(m ³ /h)	Actuator(mm)	ΔP(MPa)	Control pressure (MPa)
DN10	G3/8"	13	3.8	40	0–1.6	0.3–0.45
				50	0–1.6	0.3–0.35
DN15	G1/2"	13	4.7	40	0–1.6	0.3–0.45
				50	0–1.6	0.3–0.35
DN20	G3/4"	18	9.5	50	0–1.6	0.3–0.4
DN25	G1"	24	18.1	50	0–1.6	0.3–0.45
				63	0–1.6	0.3–0.35
				90	0–1.6	0.2–0.25
DN32	G1 1/4"	31	23.1	63	0–1.6	0.3–0.55
				90	0–1.6	0.2–0.35
DN40	G1 1/2"	35	32.9	63	0–1.6	0.3–0.65
				90	0–1.6	0.2–0.4
DN50	G2"	45	52.8	63	0–0.9	0.3–0.7
				90	0–1.6	0.2–0.45
				125	0–1.6	0.2–0.3
				125	0–1.6	0.2–0.3
DN65	G2 1/2"	61	82.6	90	0–1.0	0.2–0.6
				125	0–1.6	0.2–0.4
DN80	G3"	80	127	125	0–1.2	0.2–0.7



Single Acting, Normally Closed (NC) – Enter Below Seat(NO Water-hammer)

Flow come from below seat, avoid water hammer

Dimensions

size	Thread end	Orifice(mm)	Kv(m ³ /h)	Actuator(mm)	ΔP(MPa)	Control pressure(MPa)
DN10	G3/8"	13	3.8	40	0–1.3	0.4
				50	0–1.4	0.45
DN15	G1/2"	13	4.7	40	0–1.3	0.4
				50	0–1.4	0.45
DN20	G3/4"	18	9.5	50	0–1.4	0.45
DN25	G1"	24	18.1	50	0–0.8	0.45
				63	0–1.3	0.5
				90	0–1.4	0.35
DN32	G1 1/4"	31	23.1	63	0–0.6	0.5
				90	0–1.6	0.6
DN40	G1 1/2"	35	32.9	63	0–0.5	0.5
				90	0–1.6	0.6
DN50	G2"	45	52.8	63	0–0.3	0.5
				90	0–1.0	0.6
				125	0–1.6	0.55
DN65	G2 1/2"	61	82.6	90	0–0.6	0.6
				125	0–0.9	0.55
DN80	G3"	80	127	125	0–0.5	0.55
DN100	G4"	90	143	125	0–0.25	0.55

