

Angle Seat Valve

DN 8 up to DN 80

7010

PN 16 - PN 40

SCHUBERT & SALZER
**CONTROL
SYSTEMS**

Pneumatically operated angle seat valve for the control of neutral, slightly aggressive and highly aggressive media.

- Compact design
- Unaffected by lightly contaminated media
- For temperatures from -30°C up to +200°C
- Working pressure up to 40 bar
- Versatile actuator options

Technical Information

	Body material		
	Brass	Bronze	Stainless steel
Nominal size	DN 65 and DN 80	DN 15 to DN 50	DN 8 to DN 65
Connections:			
Pipe thread acc. DIN 2999	2 1/2" and 3"	1/2" - 2"	1/4" - 2 1/2"
NPT thread	2 1/2" and 3"	1/2" - 2"	1/4" - 2 1/2"
welding ends (DIN/ISO)			1/2" - 2 1/2"
Nominal pressure	PN 16	PN 16	PN 40
Max. fluid temperature:			
with metal bonnet	-30°C up to 170°C	-30°C up to 170°C	-30°C up to 170°C
optional		up to +200°C	up to +200°C*
with plastic bonnet	-30°C up to 135°C	-30°C up to 135°C	-30°C up to 135°C
Ambient temperature	-30°C up to +60°C		
Viscosity of the fluid	maximum 600 mm²/s (600cSt, 80°E)		
Vacuum	maximum 0,001bar abs		
Working pressure for hollow construction	maximum 12 bar		
Working pressure for Tri-Clamp connection	maximum 16 bar		



Options

- e. g.:
- limit switches
 - inductive proximity switch
 - electrical switches
 - pilot valves
 - manual override
 - oil and grease free version
 - PTFE free version
 - ASI-Bus

Normally closed

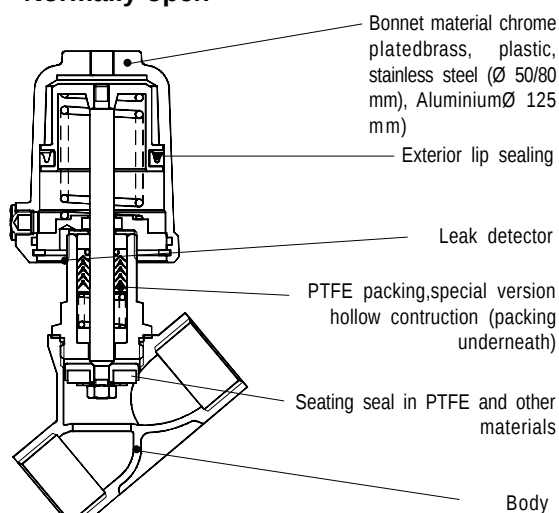
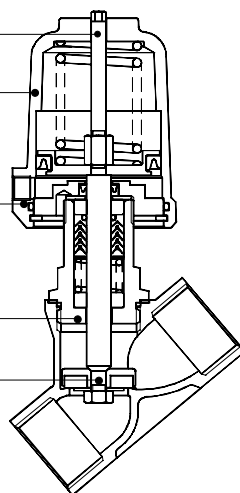
Normally open

Removable position indicator

Bonnet can be rotated as required

Direct pressure control (with a pilot valve if required)
actuation by air, water, mineral oil and other media
Head Section

Piston rod stainless steel 1.4571, "roller burnished"



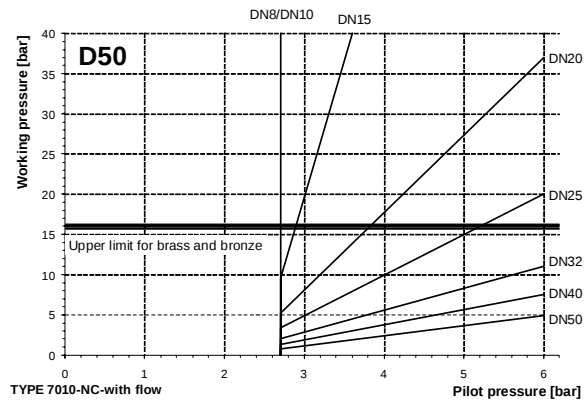
По вопросам продаж и поддержки обращайтесь:
Екатеринбург (343)384-55-89, Казань (843)206-01-48, Краснодар (861)203-40-90,
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Angle Seat Valve 7010

Spring closes NC (closing with flow)

Normally closed angle seat valves, closing with the flow. Operates better with gases, with liquids water hammer is possible.

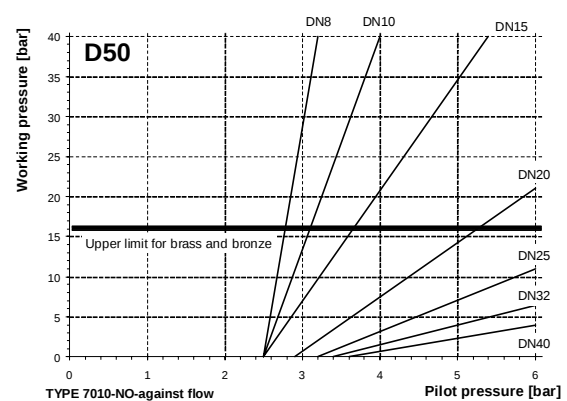
Actuator diameter 50 mm



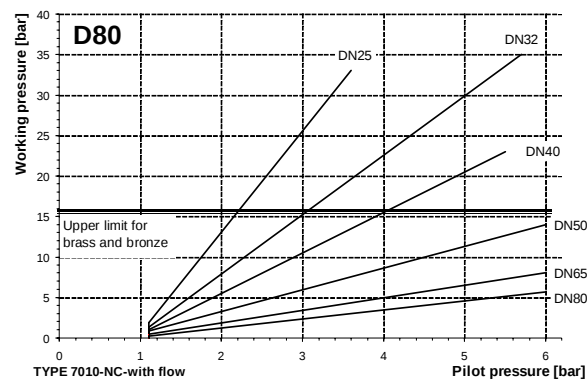
Spring opens NO (closing against flow)

Normally open angle seat valves, closing against the flow.

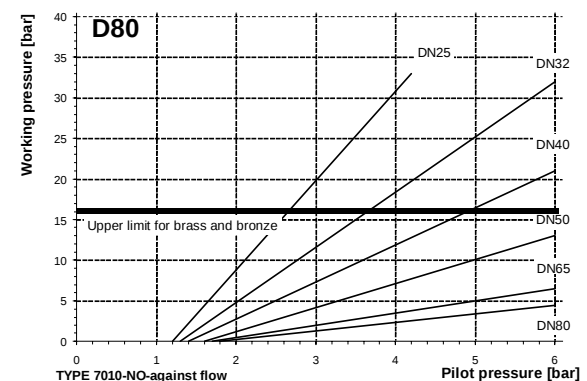
Actuator diameter 50 mm



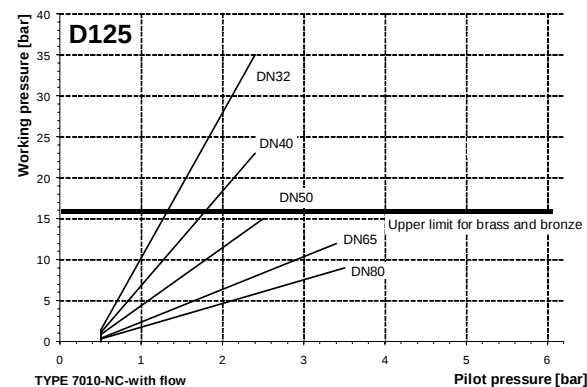
Actuator diameter 80 mm



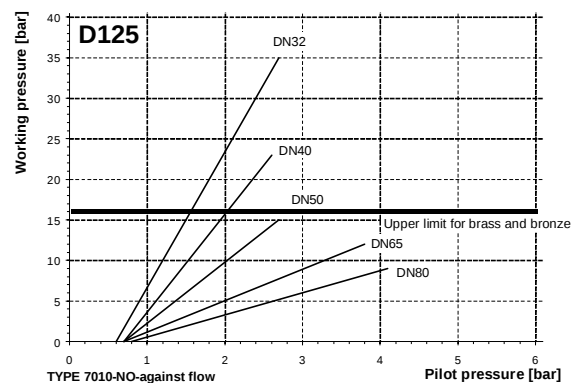
Actuator diameter 80 mm



Actuator diameter 125 mm



Actuator diameter 125 mm



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Nominal size	Working pressure (i.e. Differential)		Pilot pressure bar	Piston Ø mm	Springs
	bar stainless steel	bar bronze			
DN8	40	-	3,5 - 10	50	1
DN10	40	-	3,5 - 10	50	1
DN15	22	16	3,5 - 10	50	1
DN20	7	7	3,5 - 10	50	1
DN20	13	13	4,5 - 10	50	2
DN20	19	16	5,7 - 10	50	3
DN25	2,5	2,5	3,5 - 10	50	1
DN25	5,8	5,8	4,5 - 10	50	2
DN25	9	9	5,7 - 10	50	3
DN25	22	16	3,5 - 10	80	1
DN32	1,1	1,1	3,5 - 10	50	1
DN32	3,1	3,1	4,5 - 10	50	2
DN32	5,2	5,2	5,7 - 10	50	3
DN32	12	12	3,5 - 10	80	1
DN32	17	16	4,4 - 10	80	2
DN32	22	16	5,6 - 10	80	3
DN32	11	11	1,3 - 10	125	1
DN32	23	16	2,2 - 10	125	2

Nominal size	Working pressure* (i.e. Differential) bar		Pilot pressure bar	Piston Ø mm	Springs
	stainless steel	bronze brass			
DN40	1,9	1,9	4,5 - 10	50	2
DN40	3,3	3,3	5,7 - 10	50	3
DN40	7	7	3,5 - 10	80	1
DN40	10	10	4,4 - 10	80	2
DN40	13	13	5,6 - 10	80	3
DN40	7	7	1,3 - 10	125	1
DN40	15	15	2,2 - 10	125	2
DN40	21	16	3,1 - 10	125	3
DN50	4	4	3,5 - 10	80	1
DN50	6	6	4,4 - 10	80	2
DN50	7,5	7,5	5,6 - 10	80	3
DN50	8,5	8,5	2,2 - 10	125	2
DN50	13	13	3,1 - 10	125	3
DN65	4	3,8 *	5,6 - 10	80	3
DN65	5	4,5 *	2,2 - 10	125	2
DN65	7	6,4 *	3,1 - 10	125	3
DN80	-	4,5 *	3,1 - 10	125	3

Standard

Figure 6-10 Valve Identification Code

7	0	1	0	/			V										S		
								1	2	3	4	5	6	7	8	9	10	11	12

Type Size

—Symbol: "V": Valve
—"A": Actuator (valve without body)
—"R": Repair kit (sealings)

7 - 12: Quote only if required.

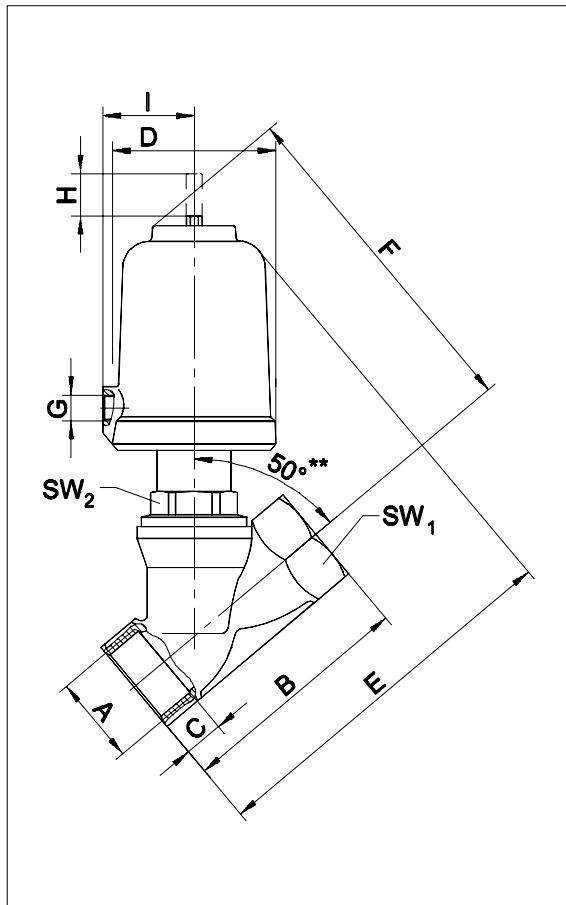
1. Body type		2. Connection		3. Body material		4. Seating seal		5. Pilot function		6. Actuator	
1	angle body	0	pipe thread acc. DIN 2999/ISO 228	0	brass (only DN65+80)	0	PTFE	0	NC (closing w/ flow)	0	piston Ø50mm
		5	NPT-thread	1	bronze Rg5	1	FKM (Viton)	1	NO (closing against flow)	1	piston Ø80mm
		6	w/without thread	2	stainless	2	EPDM	2	NC (closing against flow)	2	piston Ø125mm
		H	w/elding ends acc.		steel	3	NBR	3	Universal, double acting	K	plastic bonnet (piston Ø80mm)
		D	w/elding ends acc. DIN		1.4408					M	plastic bonnet (piston Ø80mm)
		Z	Tri-clamp acc. Inch								

7. Springs		8. Head section material		9. Packing		10. Temperature version		11. Accessories		12. Special versions	
-	standard	-	standard	-	standard	-	Standard	-	no accessories	S	further special versions
1	1 spring			2	packing underneath	H	high temperature version	1	electrical position indicator with one switch	M	position indicator with cable bushing
2	2 springs					V	viton exterior lip sealing	2	electrical position indicator with two switches	N	position indicator with plug connection
3	3 springs							3	manual emergency		
								4	additional manual operation	X	ASI-BUS IP65
								5	stroke limitation		
								6	pilot valve DN 2, 230 V AC		
								7	pilot valve DN 2, 24 V DC		
								K	electr. position indicator		
								M	position indicator with two		
									ind. switch 10 - 36 V DC		
								P	position indicator with one		
									ind. switch 10 - 36 V DC		
								T	position indicator compact, inductive 10 - 30 V DC		

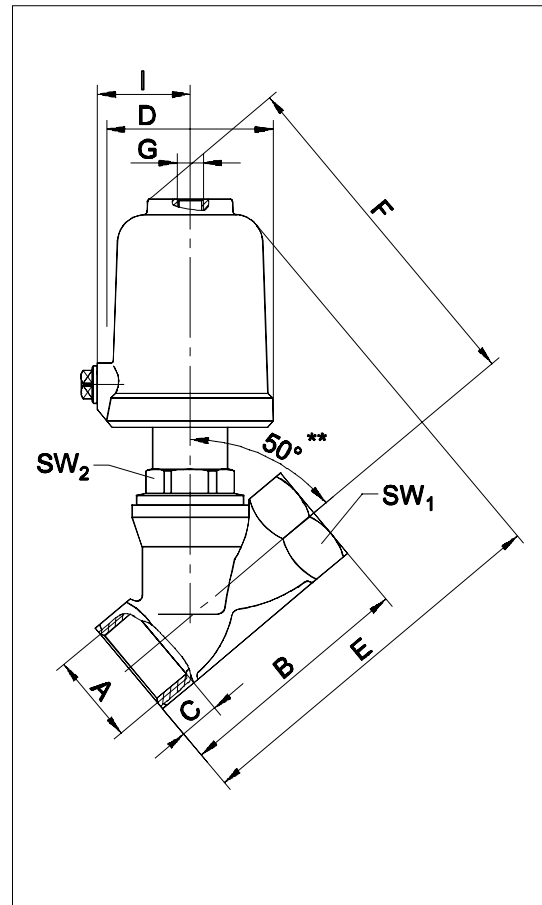
Nominal size 50 mm, angle seat valve, pipe thread acc. DIN 2999, stainless steel body, PTFE seat material, N.C., actuator size 80 mm, two springs, stroke limitation.

Angle Seat Valve 7010

Dimensions and Weights



Normally closed



Normally open

** < = 45° for DN 65, brass body for DN 80

DN	Actuator diameter	A Rp/NPT	B		C	D	E		F	G	H	I	SW1		SW 2	Kvs-Values		Weight
			Bronze *	Brass			Bronze *	Brass			(Stroke)		Bronze *	Brass		Bronze *	Brass	(kg)
			stainl.st.				stainl.st.						stainl.st.			stainl.st.		
8	50	1/4"	60	-	12	62	130	-	123	G1/8"	8,5	34,5	20	-	30	0,95	-	1
10	50	3/8"	60	-	12	62	130	-	123	G1/8"	9	34,5	23	-	30	1,6	-	1,05
15	50	1/2"	65	-	15	62	135	-	120	G1/8"	7	34,5	25	-	30	3,5	-	1,1
20	50	3/4"	75	-	16,3	62	135	-	125	G1/8"	12	34,5	31	-	30	8	-	1,2
25	50	1"	90	-	19,1	62	145	-	130	G1/8"	16	34,5	39	-	30	15	-	1,4
25	80	1"	90	-	19,1	96	185	-	170	G1/4"	16	55	39	-	30	16	-	3
32	50	1 1/4"	110	-	21,4	62	160	-	145	G1/8"	16	34,5	48	-	30	21	-	1,8
32	80	1 1/4"	110	-	21,4	96	200	-	190	G1/4"	20	55	48	-	30	24	-	3,3
32	125	1 1/4"	110	-	21,4	146	230	-	215	G1/4"	20	80	48	-	30	24	-	5,5
40	50	1 1/2"	120	-	21,4	62	165	-	150	G1/8"	16	34,5	55	-	30	30	-	2,1
40	80	1 1/2"	120	-	21,4	96	205	-	195	G1/4"	23	55	55	-	30	35	-	3,6
40	125	1 1/2"	120	-	21,4	146	235	-	220	G1/4"	23	80	55	-	30	35	-	5,8
50	50	2"	150	-	25,7	62	185	-	160	G1/8"	16	34,5	68	-	32	40	-	2,7
50	80	2"	150	-	25,7	96	225	-	200	G1/4"	29	55	68	-	32	55	-	4,2
50	125	2"	150	-	25,7	146	250	-	225	G1/4"	29	80	68	-	32	55	-	6,4
65	80	2 1/2"	180	180	30,2	96	260	260	215	G1/4"	29	55	85	85	41	80	93	6,2
65	125	2 1/2"	180	180	30,2	146	285	285	245	G1/4"	29	80	85	85	41	80	93	8,4
80	80	3"	-	210	33,3	96	-	280	225	G1/4"	29	55	-	100	41	-	115	8,3
80	125	3"	-	210	33,3	146	-	305	250	G1/4"	29	80	-	100	41	-	115	10,5

* Dimensions in accordance with DIN 3202 T4 M8

Dimensions in mm

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