

Angle Seat Valve

DN 8 up to DN 80

7010

PN 16 - PN 40



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 mm ² /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

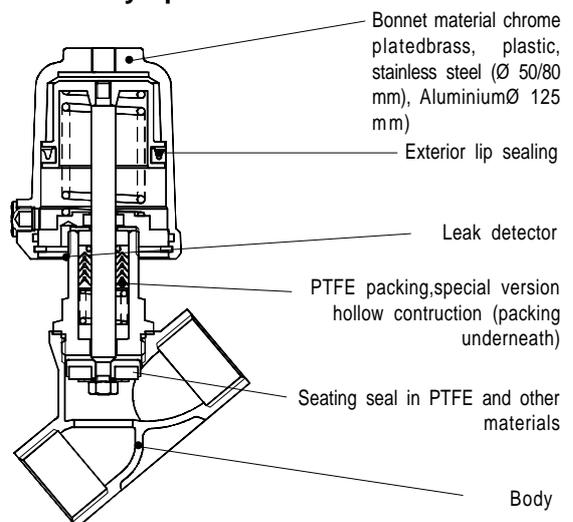
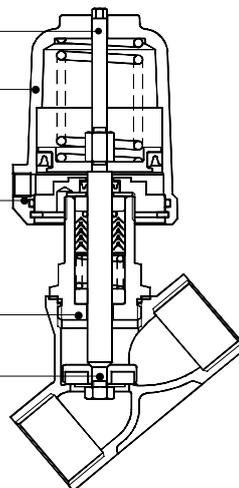
Normally open

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"

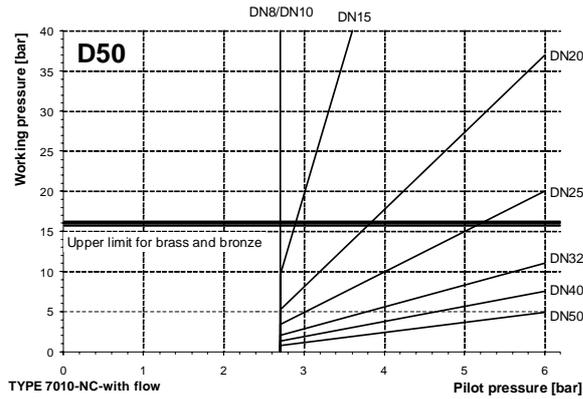


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Spring closes NC (closing with flow)

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

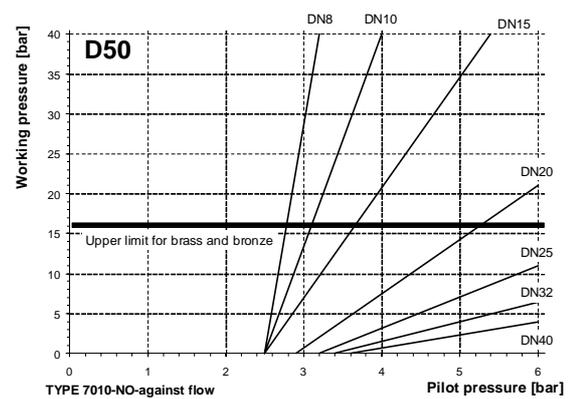
Actuator diameter 50 mm



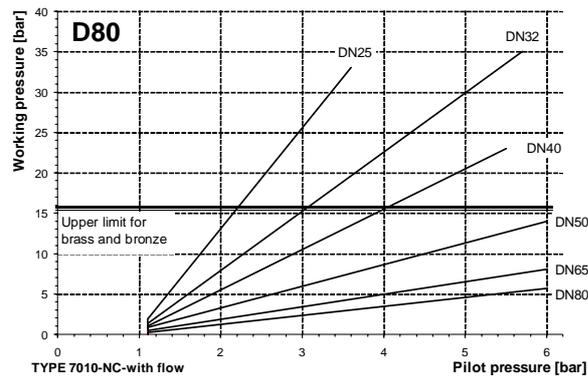
Spring opens NO (closing against flow)

Normally open angle seat valves, closing against the flow.

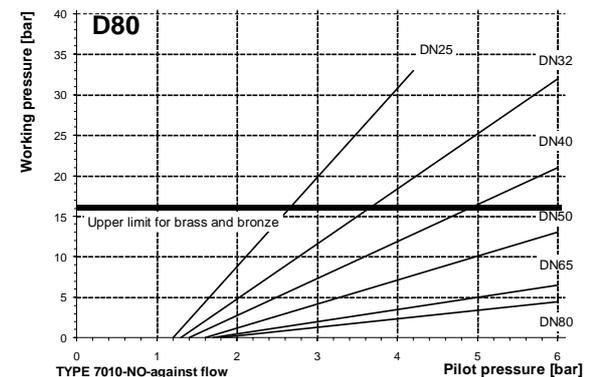
Actuator diameter 50 mm



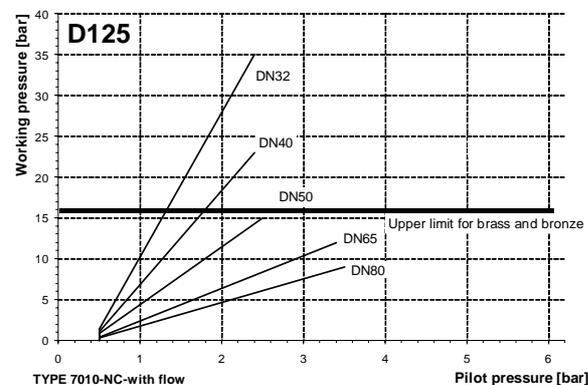
Actuator diameter 80 mm



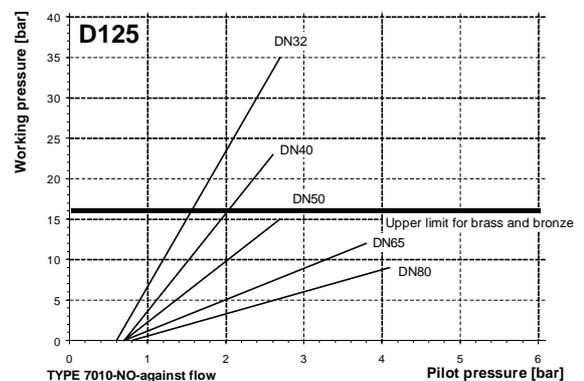
Actuator diameter 80 mm



Actuator diameter 125 mm

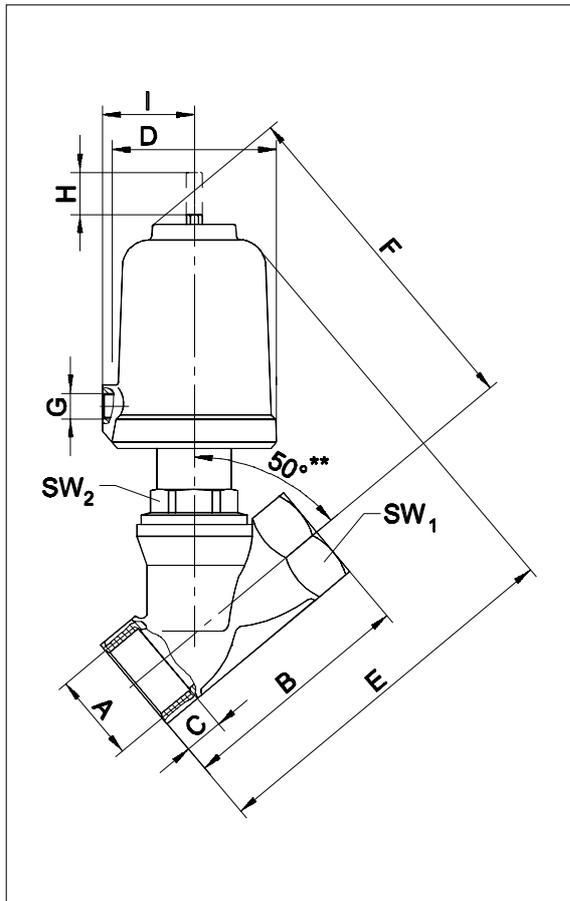


Actuator diameter 125 mm

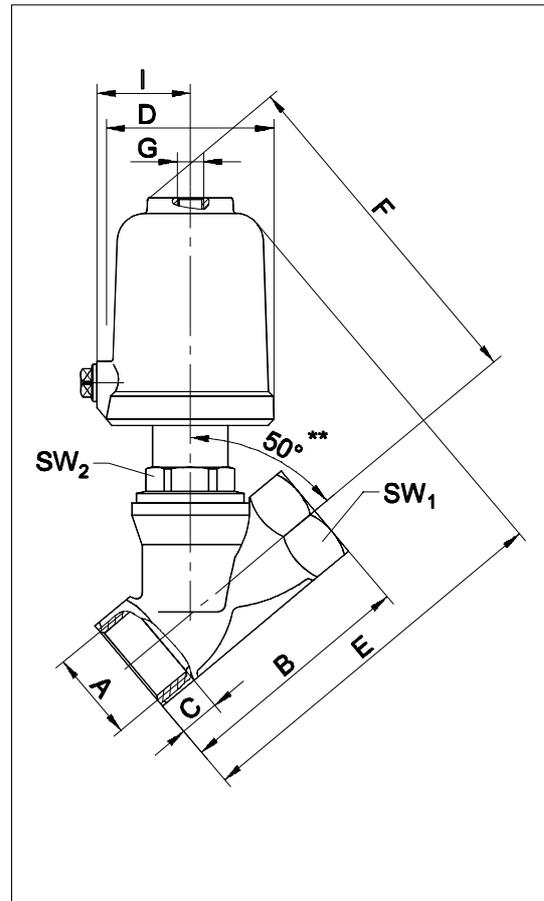


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Dimensions and Weights



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 (Stroke)	I	SW1		SW2	Kvs-Values		Weight (kg)
			Bronze * stainl.st.	Brass			Bronze * stainl.st.	Brass					Bronze * stainl.st.	Brass		Bronze * stainl.st.	Brass	
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