

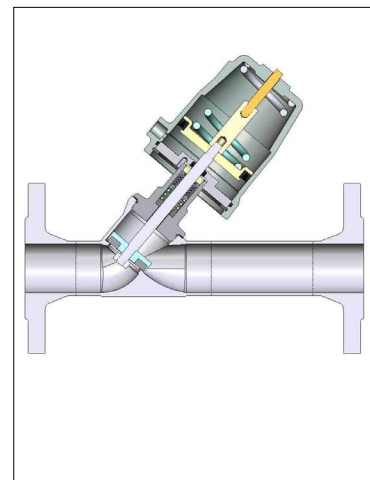
Angle Bodied Flanged Valve 7031

DN 15 up to DN 65 PN40

SCHUBERT & SALZER
CONTROL SYSTEMS

Pneumatically operated angle bodied flanged valves 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

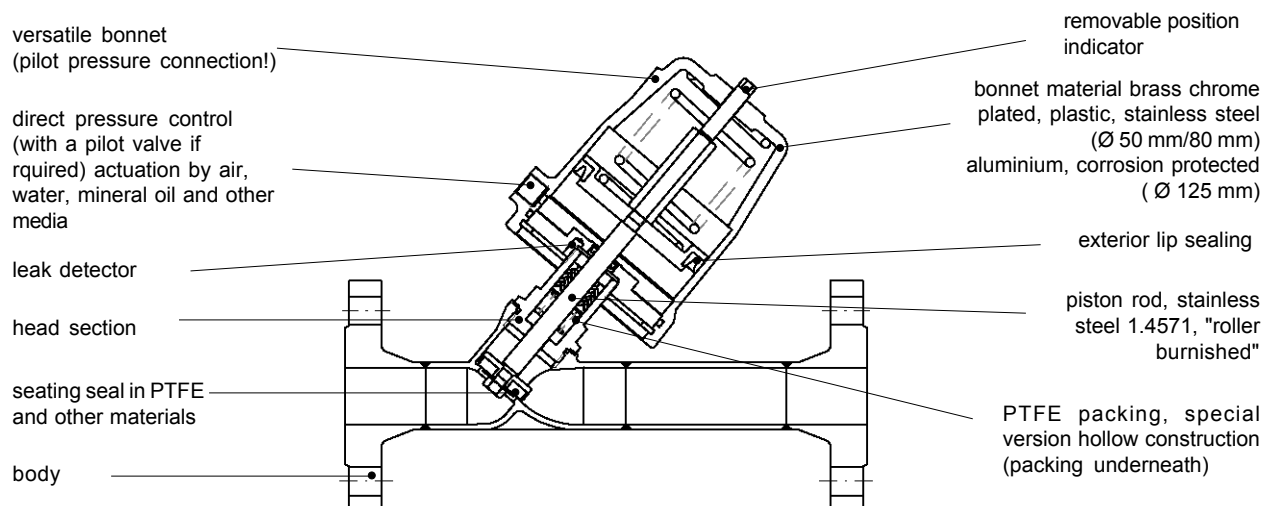


Technical Information

Nominal size	DN 15 up to DN 50, PN40 DN 65, PN16
Connections	flange acc. DIN EN 1092-1 flange acc. ANSI #150
Nominal pressure	PN 40 / ANSI #150
Max. fluid temperature:	
with metal bonnet	-30°C up to +170°C, opt. +200°C
with plastic bonnet	-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 0,001 bar abs
Working pressure for hollow construction	maximum 12 bar

Options

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



normally closed

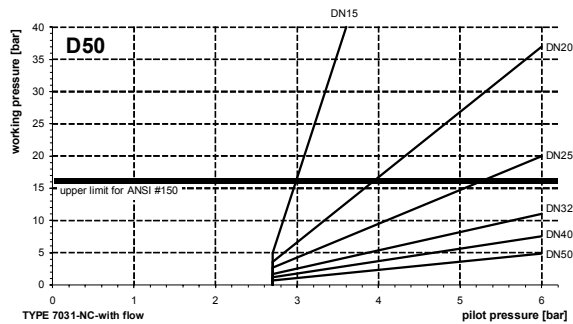
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Angle Bodied Flanged Valve 7031

Spring closed NC (closing with flow)

Normally closed angled bodied flange valves, closing with the flow. Operates better with gases, with liquids water hammer is possible.

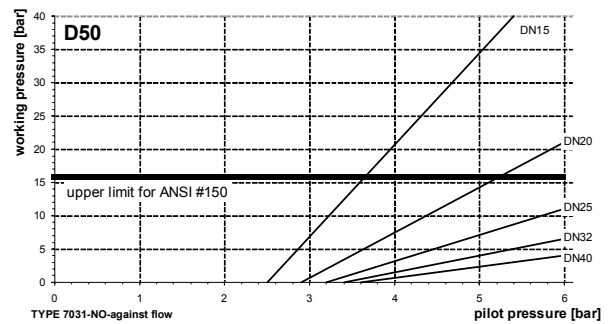
Actuator diameter 50 mm



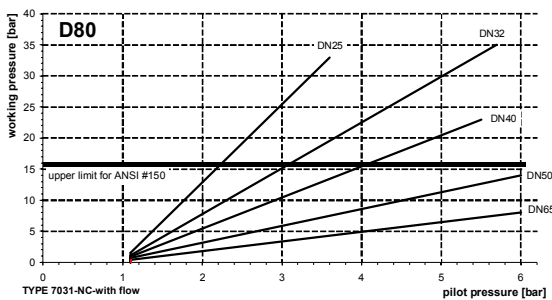
Spring opens NO (closing against flow)

Normally open angled bodied flanged valves, closing against the flow

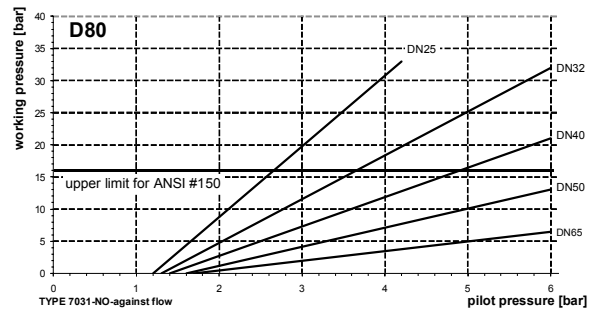
Actuator diameter 50 mm



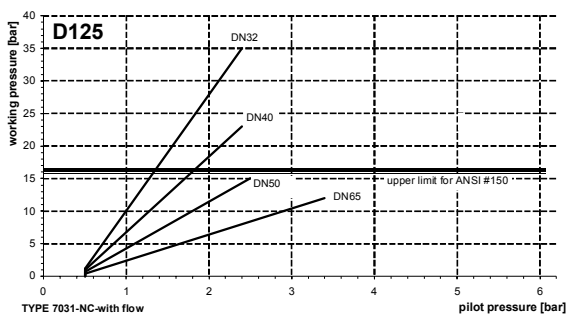
Actuator diameter 80 mm



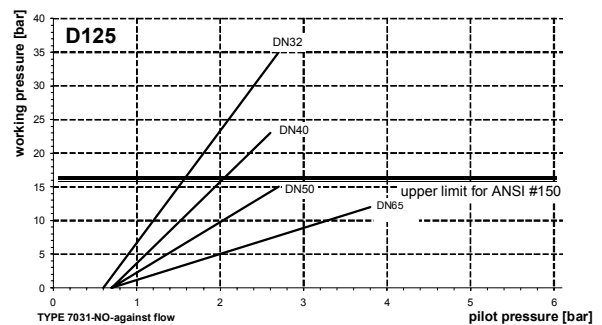
Actuator diameter 80 mm



Actuator diameter 125 mm



Actuator diameter 125 mm



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**CONTROL
SYSTEMS**

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

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

7	0	3	1	/				V												S
Type					Diamètre nominal			1 2 3 4 5 6 7 8 9 10 11 12 1 - 7 - 1												
								Symbole: "V": Vanne "A": Commande (ensemble sans corps) "R": Kit de réparation (joints)												

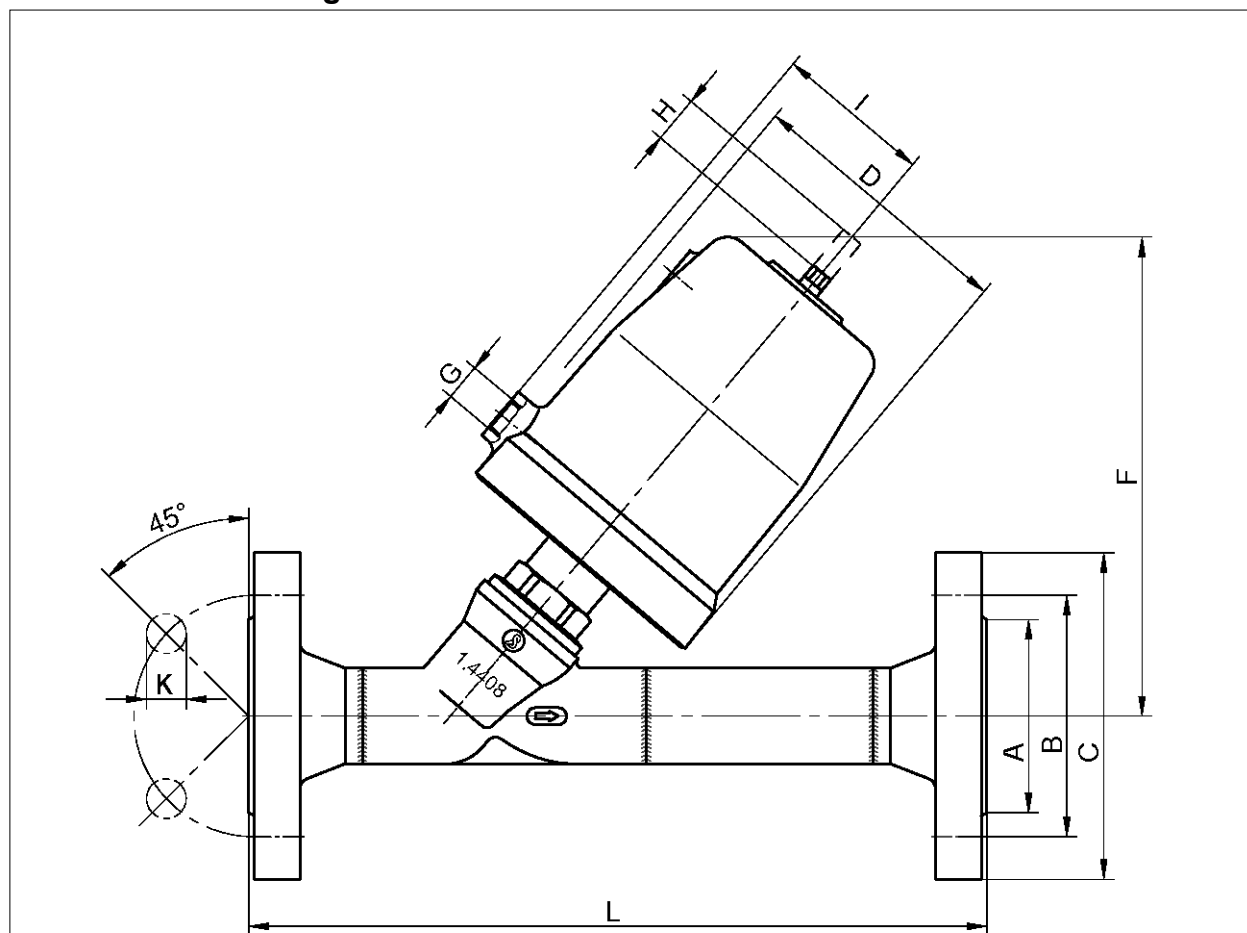
1. Body type		2. Connection		3. Body material		4. Seating seal		5. Pilot function		6. Actuator	
2	angle body flanged valve	9	angle bodied flange valve DIN EN 1092-1	2	stainless steel 1.4408	0	PTFE	0	NC (closing with flow)	0	piston Ø50mm
		C	dto. ANSI #150			1	FKM (Viton)	1	NO (closing against flow)	1	piston Ø80mm
						2	EPDM	2	NC (closing against flow)	2	piston Ø125mm
						3	NBR	3	Universal, double acting	K	plastic bonnet for piston Ø50mm
										M	plastic bonnet for piston Ø80mm

7. Springs		8. Head section material		9. Packing		10. Temperature version		11. Accessories		12. Special versions	
-	standard	-	standard	-	standard	-	standard	-	no accessories	S	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							2	electrical position indicator with two switches	N	position indicator with plug connection
3	3 springs							3	manual emergency operation		
								4	additional manual operation		
								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 (PNP)		
								T	position indicator compact, inductive 10 - 30 V DC (PNP)		

Ordering example:	7031/050V2920212 - - - 5 angle bodied flanged valve 7031, DN 50, connection DIN-flange PN40, body material stainless steel, seating seal PTFE, spring to close -closing against the flow, actuator 80 mm, two springs, stroke limitation
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Angle Bodied Flanged Valve 7031

Dimensions and Weights



DN	piston Ø	A		B		C		D	F	G	H	I	K		L*	M	N number of borings	Kvs- value	Weight (kg)
		PN40 (DN65 PN16)	ANSI #150	PN40 ANSI #150	ANSI #150	PN40 ANSI #150	ANSI #150						PN40 ANSI #150	ANSI #150					
15	50	45	35,1	65	60,5	95	88,9	62	125	G1/8	7	34,5	14	15,75	230	65	4	3,5	2,7
20	50	58	43	75	69,9	105	98,6	62	125	G1/8	12	34,5	14	15,75	260	75	4	9	3,4
25	50	68	50,8	85	79,3	115	108	62	130	G1/8	16	34,5	14	15,75	260	85	4	15	4,1
25	80	68	50,8	85	79,3	115	108	98	170	G1/4	16	55	14	15,75	260	85	4	17	5,7
32	50	78	63,5	100	88,9	140	117,4	62	145	G1/8	16	34,5	18	15,75	300	100	4	21	5,7
32	80	78	63,5	100	88,9	140	117,4	98	185	G1/4	20	55	18	15,75	300	100	4	24	7,2
32	125	78	63,5	100	88,9	140	117,4	146	215	G1/4	20	80	18	15,75	300	100	4	24	9,4
40	50	88	73,2	110	98,6	150	127	62	150	G1/8	16	34,5	18	15,75	300	110	4	30	6,4
40	80	88	73,2	110	98,6	150	127	98	190	G1/4	23	55	18	15,75	300	110	4	37	7,9
40	125	88	73,2	110	98,6	150	127	146	220	G1/4	23	80	18	15,75	300	110	4	37	10
50	50	102	92	125	120,7	165	152,4	62	160	G1/8	16	34,5	18	19,05	350	125	4	40	8,6
50	80	102	92	125	120,7	165	152,4	98	195	G1/4	29	55	18	19,05	350	125	4	58	10,1
50	125	102	92	125	120,7	165	152,4	146	225	G1/4	29	80	18	19,05	350	125	4	58	12,5
65	80	122	104,7	139,7	139,5	185	177,8	98	215	G1/4	29	55	18	19,05	400	125	4	80	13,9
65	125	122	104,7	139,7	139,5	185	177,8	146	245	G1/4	29	80	18	19,05	400	125	4	80	14,6

* Dimensions in accordance with DIN 3202, T1 F3

dimensions in mm

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