

Straight Bodied Flanged Valve 7030

DN 15 up to DN 150

PN16

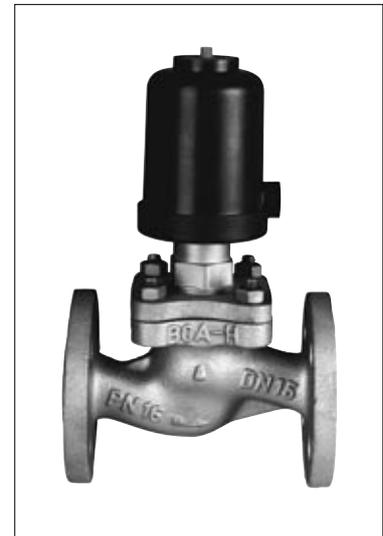
SCHUBERT & SALZER
CONTROL SYSTEMS

Pneumatically operated straight bodied seat valve for the use in chemical plants, process technology and industrial automation.

- Unaffected by lightly contaminated media
- For temperatures from -10°C up to +200°C
- Working pressure up to 16 bar
- Versatile actuators in different sizes
- Available also in pressure released design

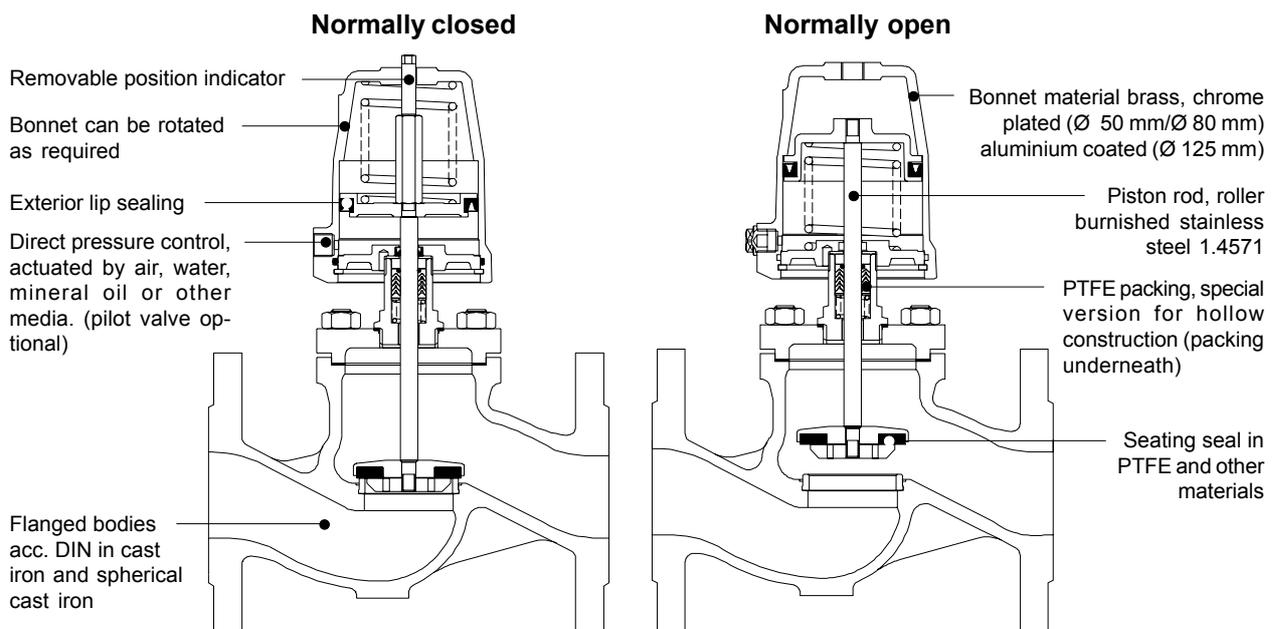
Technical Information

Body material	EN - GJL - 250 (GG 25) EN - GJS - 400 - 18 - LT (GGG 40.3)
Nominal size	DN 15 up to DN 150
Connection	flange acc. DIN EN 1092-1
Nominal pressure	PN 16
Max. fluid temperature: with metal bonnet	-10°C up to +170°C, opt. +200°C
with plastic bonnet	-10°C up to +135°C
Ambient temperature	-30°C up to +60°C
Viscosity of the fluid	maximum 600 mm ² /s (600 cSt)
Vacuum	maximum 0,001 bar abs
Working pressure for hollow construction	maximum 12 bar

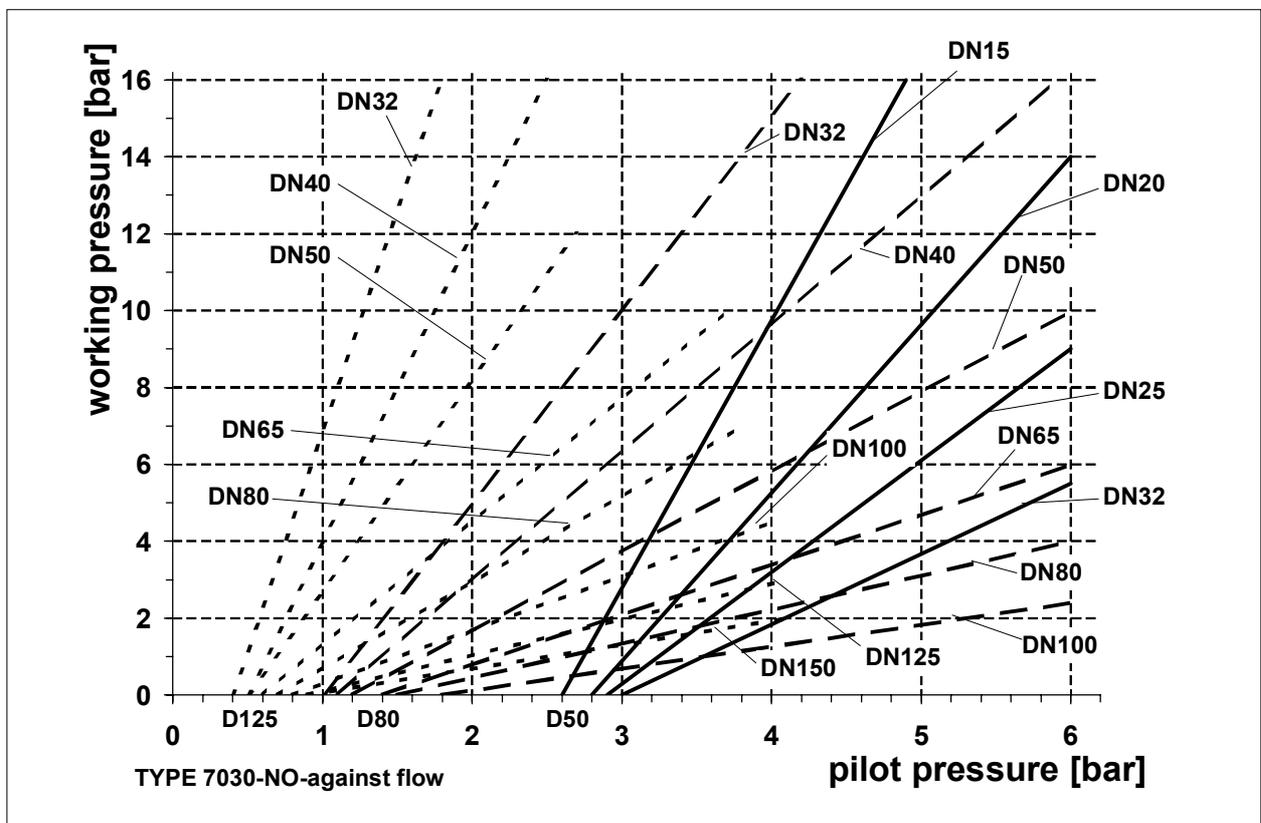
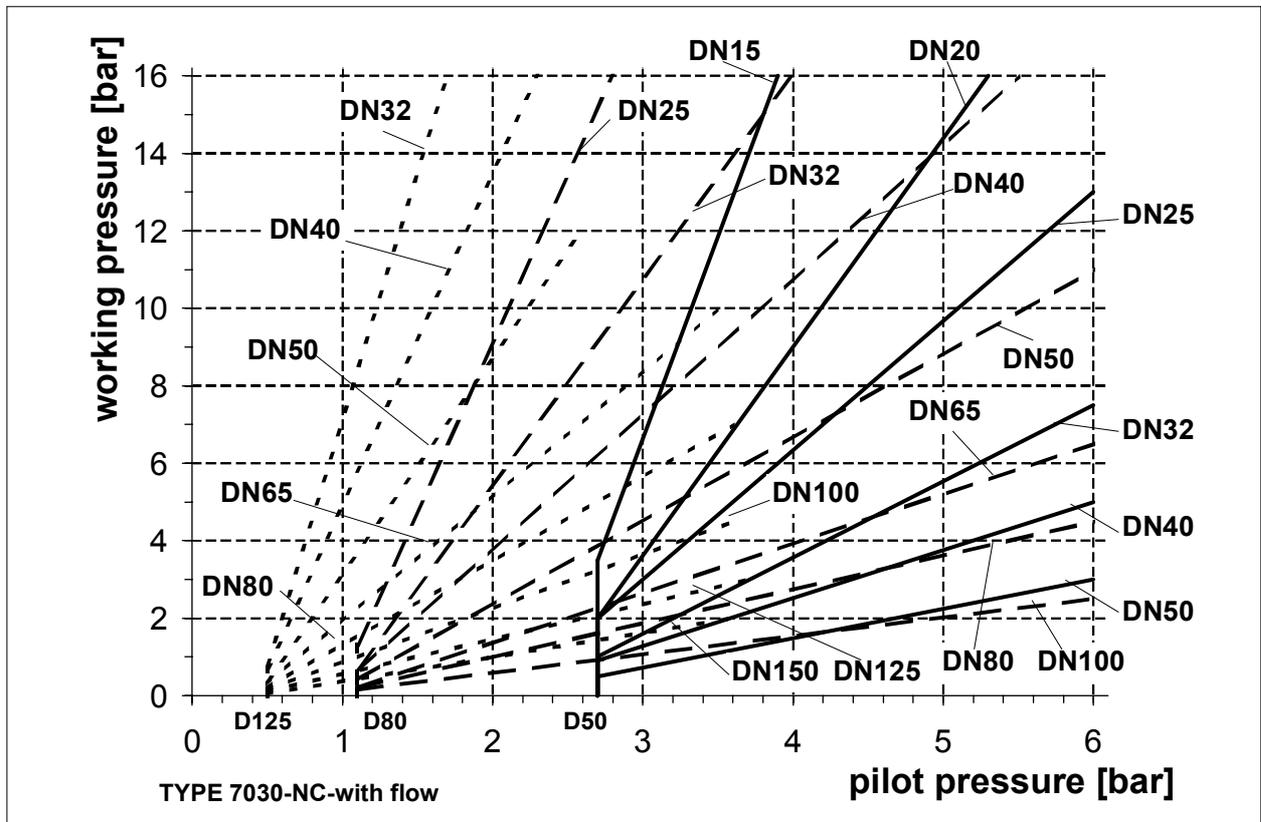


Options

- e.g.:
- limit switches
 - inductive proximity switch
 - electrical switches
 - pneumatic switches
 - pilot valves
 - manual override
 - high temperature version up to +200°C
 - oil and grease free version



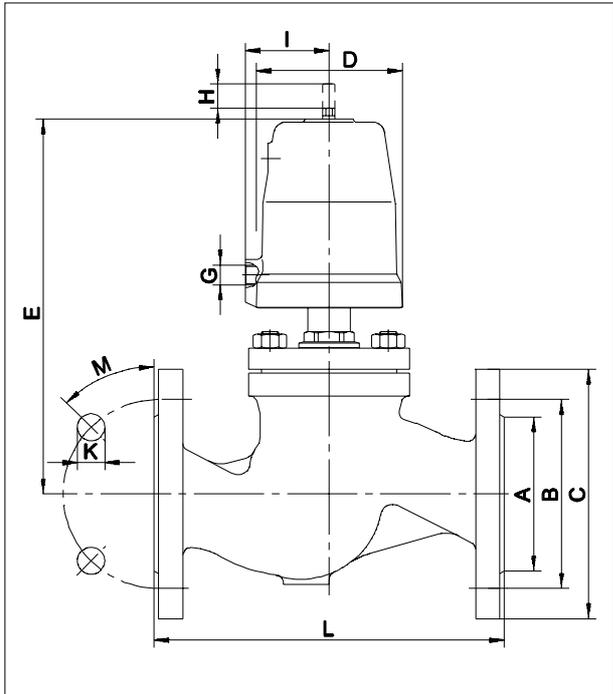
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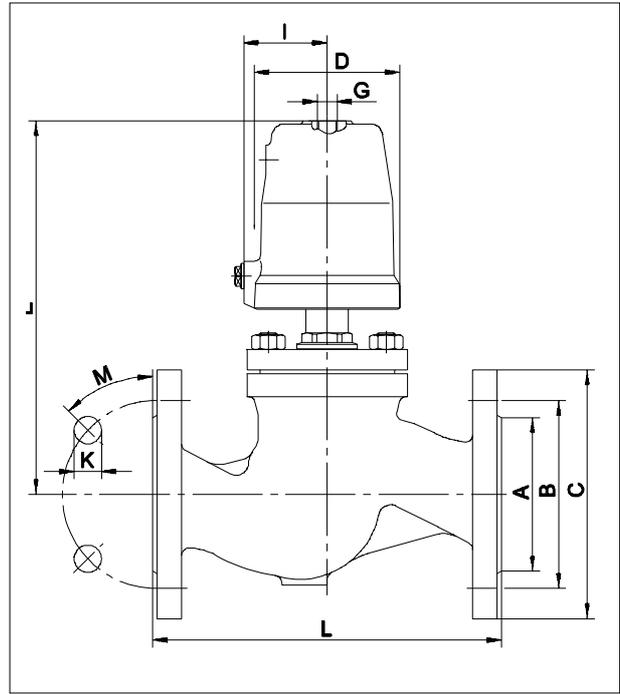
— Piston Ø 50 mm
- - - Piston Ø 80 mm
- · - · - Piston Ø 125 mm

Straight Bodied Flanged Valve 7030

Dimensions and Weights



Normally closed



Normally open and universal

DN	Piston Actuator	A	B	C	D	E Body GG/GGG	G	H (Stroke)	I	K	L*	M	N (No. of drillings)	Kvs-value	Weight (ca.kg)
15	50	45	65	95	62	165	G1/8"	8	34,5	14	130	45°	4	3,6	3,6
20	50	58	75	105	62	176	G1/8"	10	34,5	14	150	45°	4	6,0	4,4
25	50	68	85	115	62	182	G1/8"	11	34,5	14	160	45°	4	9,6	5,0
25	80	68	85	115	98	221	G1/4"	12	55	14	160	45°	4	9,6	6,6
32	50	78	100	140	62	197	G1/8"	15	34,5	18	180	45°	4	15,0	7,3
32	80	78	100	140	98	236	G1/4"	15	55	18	180	45°	4	15,0	7,8
32	125	78	100	140	146	260	G1/4"	16	80	18	180	45°	4	15,0	10,0
40	50	88	110	150	62	202	G1/8"	16	34,5	18	200	45°	4	23,0	8,2
40	80	88	110	150	98	241	G1/4"	16	55	18	200	45°	4	23,0	9,7
40	125	88	110	150	146	265	G1/4"	16	80	18	200	45°	4	23,0	11,9
50	50	102	125	165	62	211	G1/8"	16	34,5	18	230	45°	4	36,0	10,6
50	80	102	125	165	98	250	G1/4"	16	55	18	230	45°	4	36,0	12,1
50	125	102	125	165	146	274	G1/4"	16	80	18	230	45°	4	36,0	14,2
65	80	122	145	185	98	313	G1/4"	19	55	18	290	45°	4	58,0	20,0
65	125	122	145	185	146	336	G1/4"	19	80	18	290	45°	4	58,0	22,2
80	80	138	160	200	98	317	G1/4"	22	55	18	310	22.5°	8	92,0	22,5
80	125	138	160	200	146	340	G1/4"	22	80	18	310	22.5°	8	92,0	24,7
100	80	158	180	220	98	327	G1/4"	27	55	18	350	22.5°	8	150,0	37,0
100	125	158	180	220	146	350	G1/4"	27	80	18	350	22.5°	8	150,0	39,0
125	125	188	210	250	146	387	G1/4"	28	80	18	400	22.5°	8	227,0	48,2
150	125	212	240	285	146	389	G1/4"	28	80	22	480	22.5°	8	327,0	64,2

* Dimensions in accordance with DIN 3502, series F1

Dimensions in mm

Flanged Valve 7030

with balanced plug

The valve working with a balanced plug enables the control of higher working pressures even with larger orifice sizes. Often a smaller actuator can be used while the air - consumption is smaller, too.

Technical Information

Body material	EN - GJL - 250 (GG25) EN - GJS - 400 - 18 LT (GGG 40.3)
Nominal size	DN 40 up to DN 150
Connection	Flange acc. DIN EN 1092-1
Nominal pressure	PN 16
Fluid temperature	-10°C up to +170°C as option up to +200°C
Ambient temperature	-10°C up to +60°C
Viscosity of the fluid	maximum $6 \times 10^{-4} \text{ m}^2/\text{s}^2$ (600cSt, 80°E)

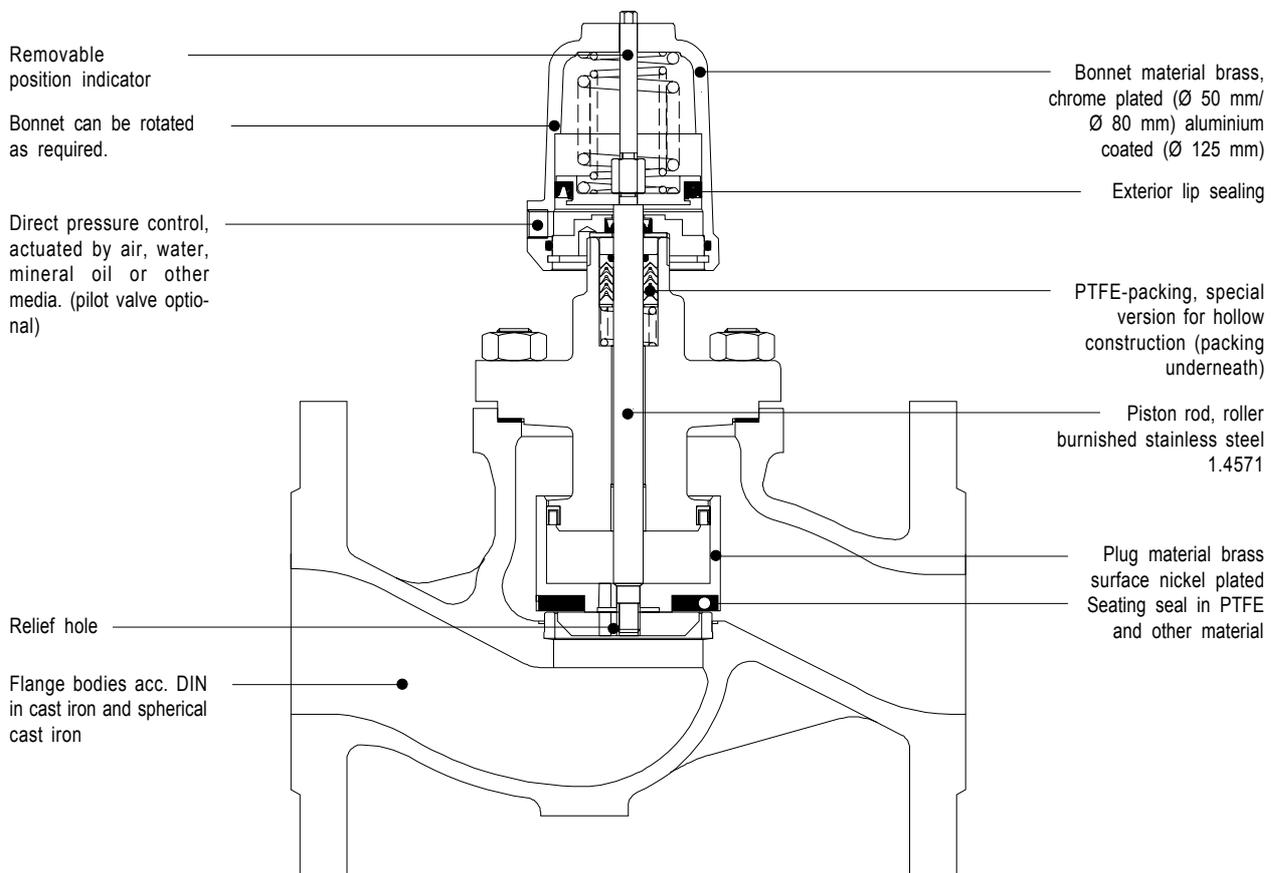
Working pressure

Nominal size mm	Working pressure (i.e. differential) bar	Pilot pressure bar seat material		Piston actuator Ø mm
		PTFE	FKM/EPDM/NBR	
40	16	4,5 - 10	3,5 - 10	50
50	16	-	4,5 - 10	50
50	16	3,5 - 10	3,5 - 10	80
65	16	3,5 - 10	3,5 - 10	80
80	16	5,6 - 10	3,5 - 10	80
80	16	2,2 - 10	1,3 - 10	125
100	16	-	3,5 - 10	80
100	16	2,2 - 10	1,3 - 10	125
125	16	3,1 - 10	2,2 - 10	125
150	16	3,1 - 10	2,2 - 10	125

Options

- limit switches
 - inductive proximity switch
 - electrical switches
 - pneumatic switches
- pilot valves
- manual override
- high temperature version up to +200°C
- oil and grease free version

Normally closed, flanged valves, closing against the flow.



Flanged Valve 7030

with balanced plug

Dimensions and Weights

DN	Piston actuator Ø	A	B	C	D	E	G	H (Stroke)	I	K	L*	M	(No. of drillings)	Kvs-value	Weight (kg)
40	50	88	110	150	62	212	G1/8"	13	34.5	18	200	45°	4	23	8,2
50	50	102	125	165	62	213	G1/8"	15	34.5	18	230	45°	4	36	10,5
50	80	102	125	165	98	252	G1/4"	16	55	18	230	45°	4	36	12,0
65	80	122	145	185	98	313	G1/4"	22	55	18	290	45°	4	58	20,0
80	80	138	160	200	98	317	G1/4"	25	55	18	310	22.5°	8	92	22,5
80	125	138	160	200	146	340	G1/4"	25	80	18	310	22.5°	8	92	25,0
100	80	158	180	220	98	327	G1/4"	29	55	18	350	22.5°	8	150	32,0
100	125	158	180	220	146	350	G1/4"	29	80	18	350	22.5°	8	150	34,0
125	125	188	210	250	146	387	G1/4"	29	80	18	400	22.5°	8	227	51,0
150	125	212	240	285	146	389	G1/4"	29	80	22	480	22.5°	8	327	64,0

* Dimensions in accordance with DIN 3502, series F1

Dimensions in mm

