

Straight Bodied Flanged Valve 7030

DN 100 up to DN 150 - PN 16



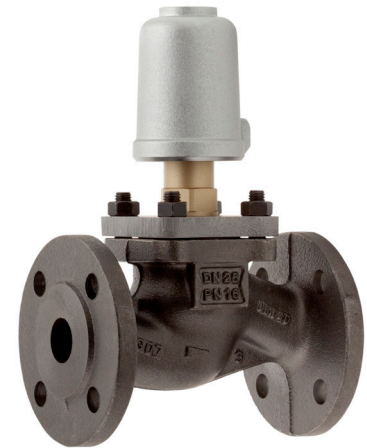
Pneumatically operated straight bodied seat valve for the use in chemical plants, process technology and industrial automation.

- Unaffected by lightly contaminated media
- For temperatures from -100°C up to +220°C
- Working pressure up to 16 bar
- Versatile actuators in different sizes
- Available also in pressure released design

Technical Information

Body material	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	-10°C up to +60°C (special versions up to +100°C)
Viscosity of the fluid	maximum 600 mm ² /s (600 cSt)
Vacuum	maximum 0,001 bar abs
Working pressure	See tables and diagrams, limitation for dangerous gases acc. Pressure equipment directive 2014/68/EU (category I): PS x DN < 1000
Working pressure for packing underneath	maximum 12 bar
Leakage acc. EN 12266-1	leakage class A
Packing leakage	tested according to TA-Luft as defined in DIN EN ISO 15848-1 and VDI 2440

*: Please consider further temperature versions and limits in technical bulletin 32



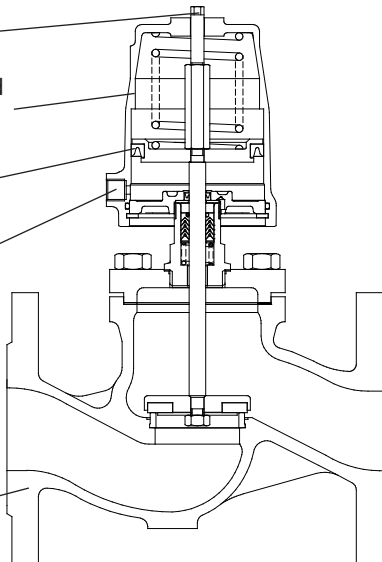
Options

e.g.:

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

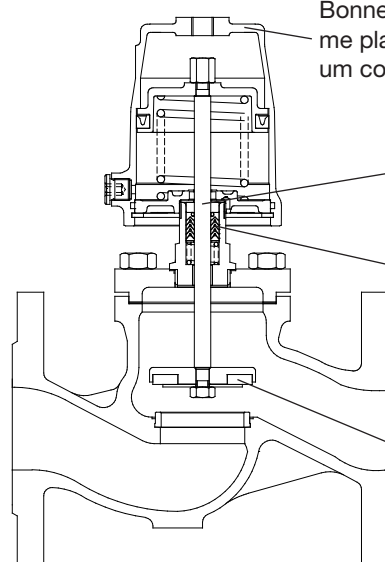
Normally closed

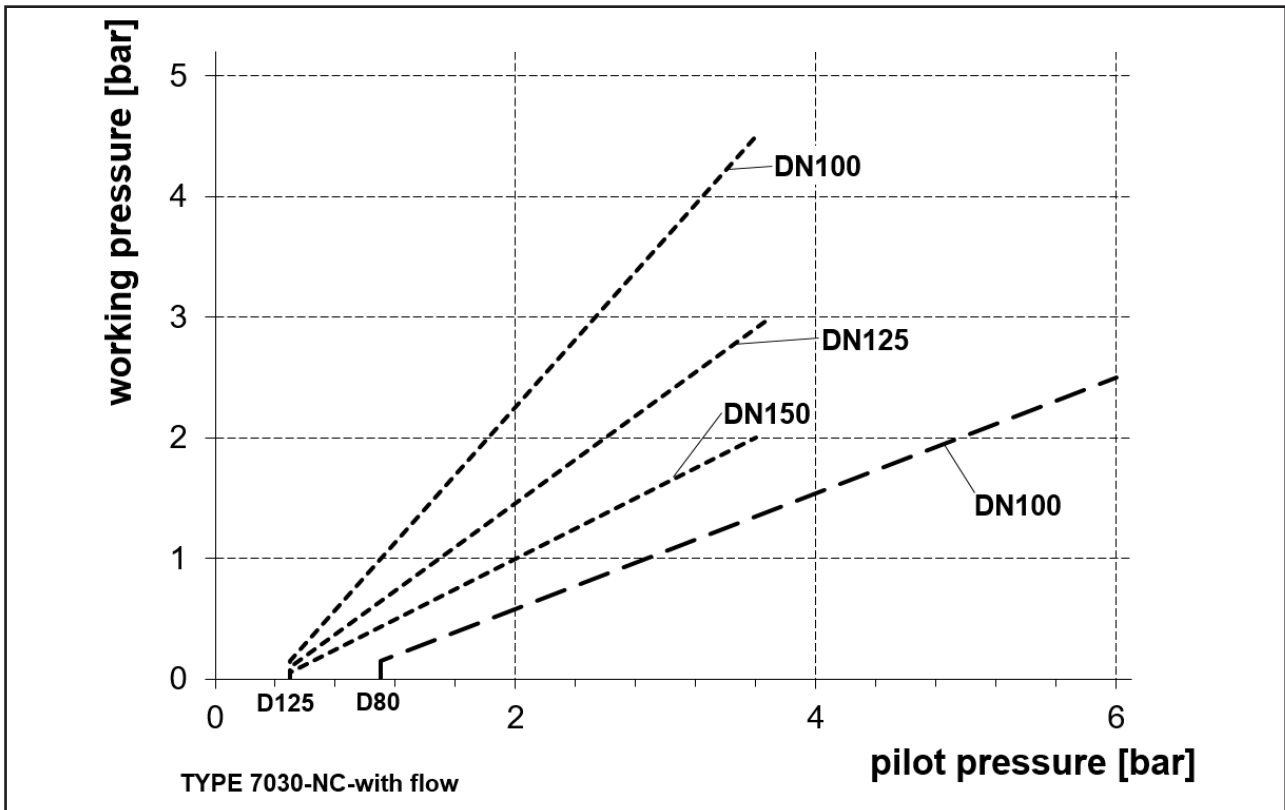
- Removable position indicator
- Bonnet can be rotated as required
- Exterior lip sealing
- Direct pressure control, actuated by air, water, mineral oil or other media. (pilot valve optional)
- Flanged bodies acc. DIN in spherical cast iron



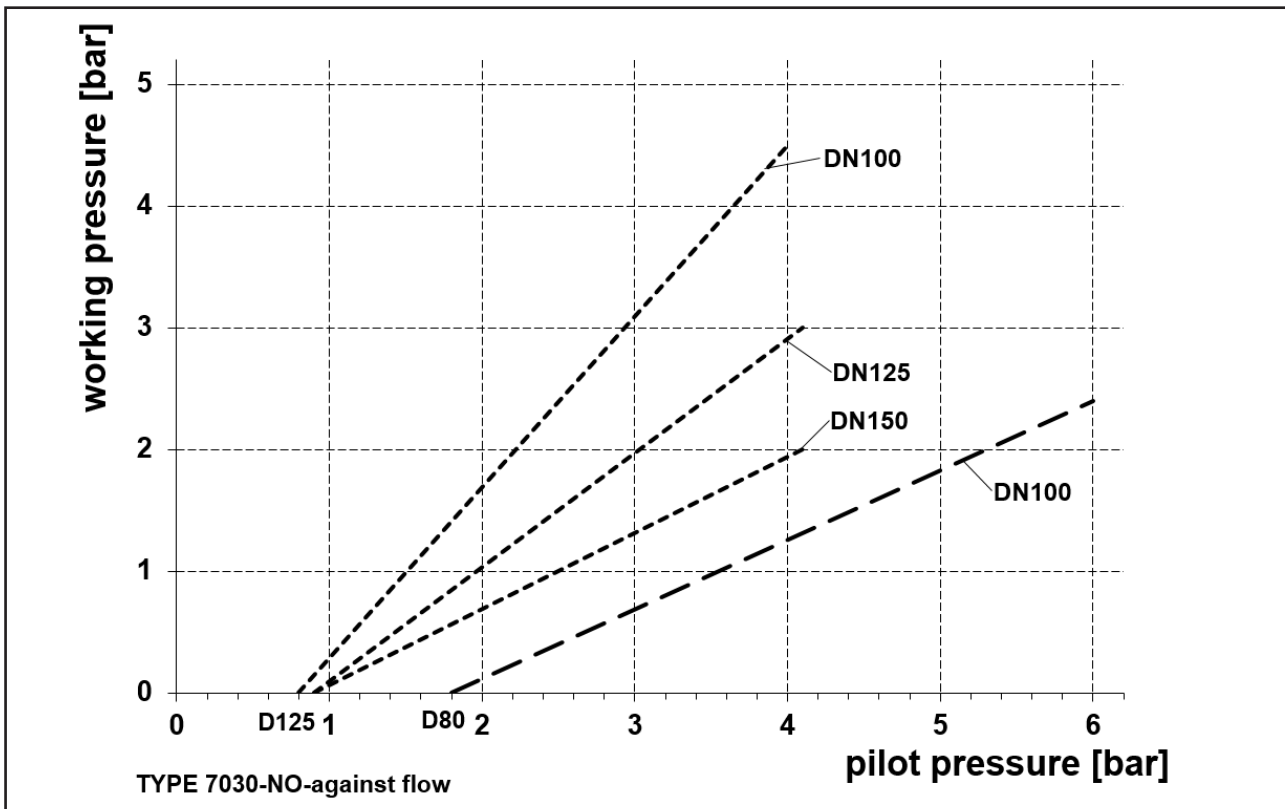
Normally open

- Bonnet material brass, chrome plated (Ø 80 mm) aluminium coated (Ø 125 mm)
- Piston rod, roller burnished stainless steel 1.4571
- PTFE packing, special version for hollow construction (packing underneath)
- Seating seal in PTFE and other materials





Use particularly for gases because of the danger of water hammers.



Use for gases and liquids.

Maximum pilot pressures NO-against flow:

Piston Ø 80: 0,8 bar more than necessary pilot pressure for working pressure
 Piston Ø 125: 0,5 bar more than necessary pilot pressure for working pressure

— — — — — Piston Ø 80 mm
 - - - - - Piston Ø 125 mm

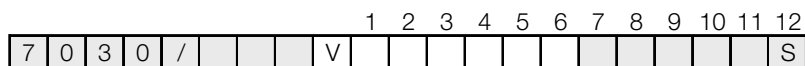
NC (closing against flow)

The pressure diagrams and the values are valid for soft seat material (EPDM, NBR, FKM). Values for other materials on demand.

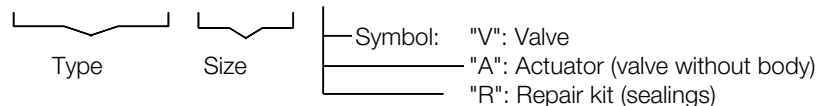
Nominal size	Working pressure (i.e. differential) bar	Pilot pressure bar	Actuator piston mm	Springs
DN100	2,3	3,1 - 10	125	3
DN125	1,4	3,1 - 10	125	3
DN150	0,9	3,1 - 10	125	3

Standard

Ordering Number System



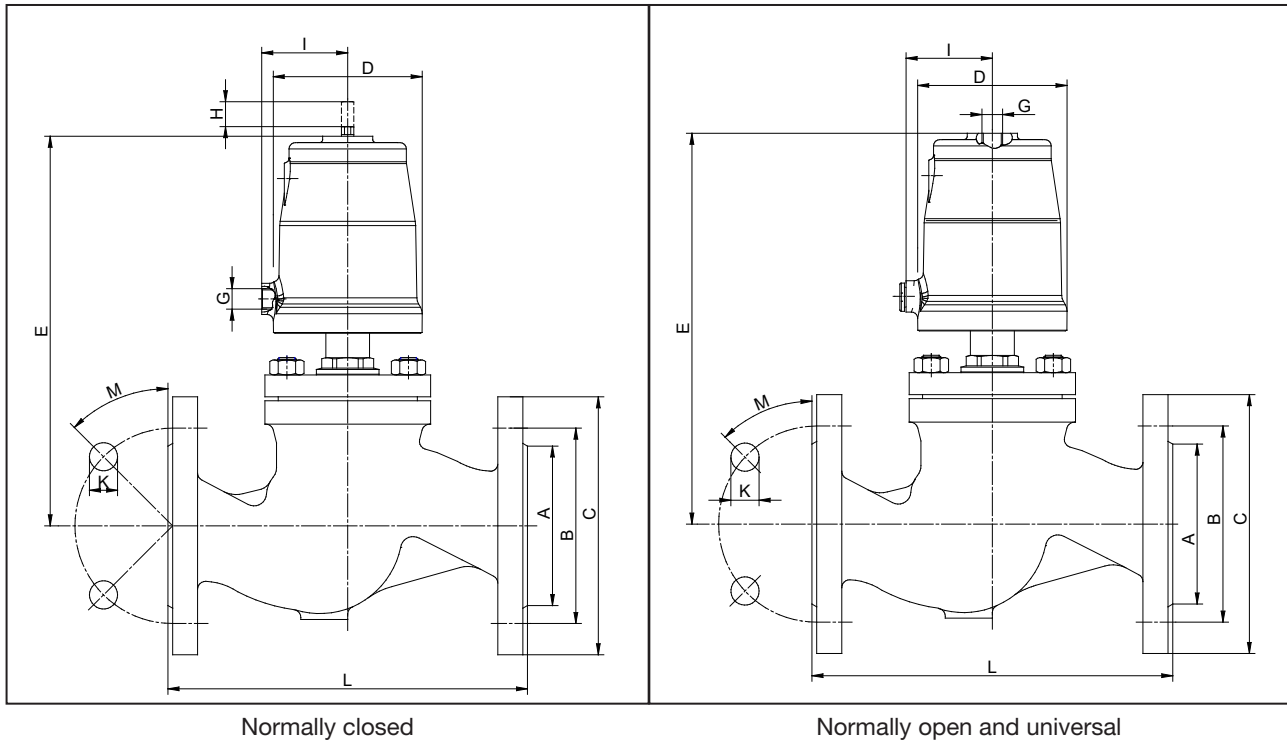
1 - 6 : Please quote all 6 sections
7 - 12: Quote only if required



1. Body type	2. Connection	3. Body material	4. Seating seal	5. Pilot function	6. Actuator
2 flanged body	1 flange acc. DIN EN 1092-1	4 spherical cast iron EN-GJS-400-18-LT (GGG 40.3), PN16	0 PTFE 1 FKM (Viton) 2 EPDM 3 NBR	0 NC (closing with flow) 1 NO (closing against flow) 2 NC (closing against flow) 3 Universal, double acting 5 Balanced plug (spring closes)	1 piston Ø80 mm 2 piston Ø125 mm
7. Springs	8.	9. Packing	10. Temperature versions	11. Accessories	12. Special versions
- Standard 1 1 spring 2 2 springs 3 3 springs	- without significance	- standard 2 packing underneath	- standard H high temperature version V viton exterior lip sealing	- no accessories 1 electrical position indicator with one switch 2 electrical position indicator with two switches 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 compact M position indicator with two ind. switch 10 - 36 V DC (PNP) P position indicator with one ind. switch 10 - 36 V DC (PNP) T position indicator compact, inductive 10 - 30 V DC (PNP)	S special versions M position indicator with cable bushing N position indicator with plug connection

Ordering example: 7030/100V214222- - - - 7
Flanged body valve, Nominal size 100 mm, DIN-flange, spherical cast body GGG 40.3, EPDM seat material, NC (closing against flow), piston 125 mm, pilot valve 24 V DC.

Dimensions and Weights



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)
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 - 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
Max. fluid temperature	-10°C up to +170°C, opt. +200°C
Ambient temperature	-30°C up to +60°C
Viscosity of the fluid	maximum 600 mm ² /s (600 cSt)

Working pressure

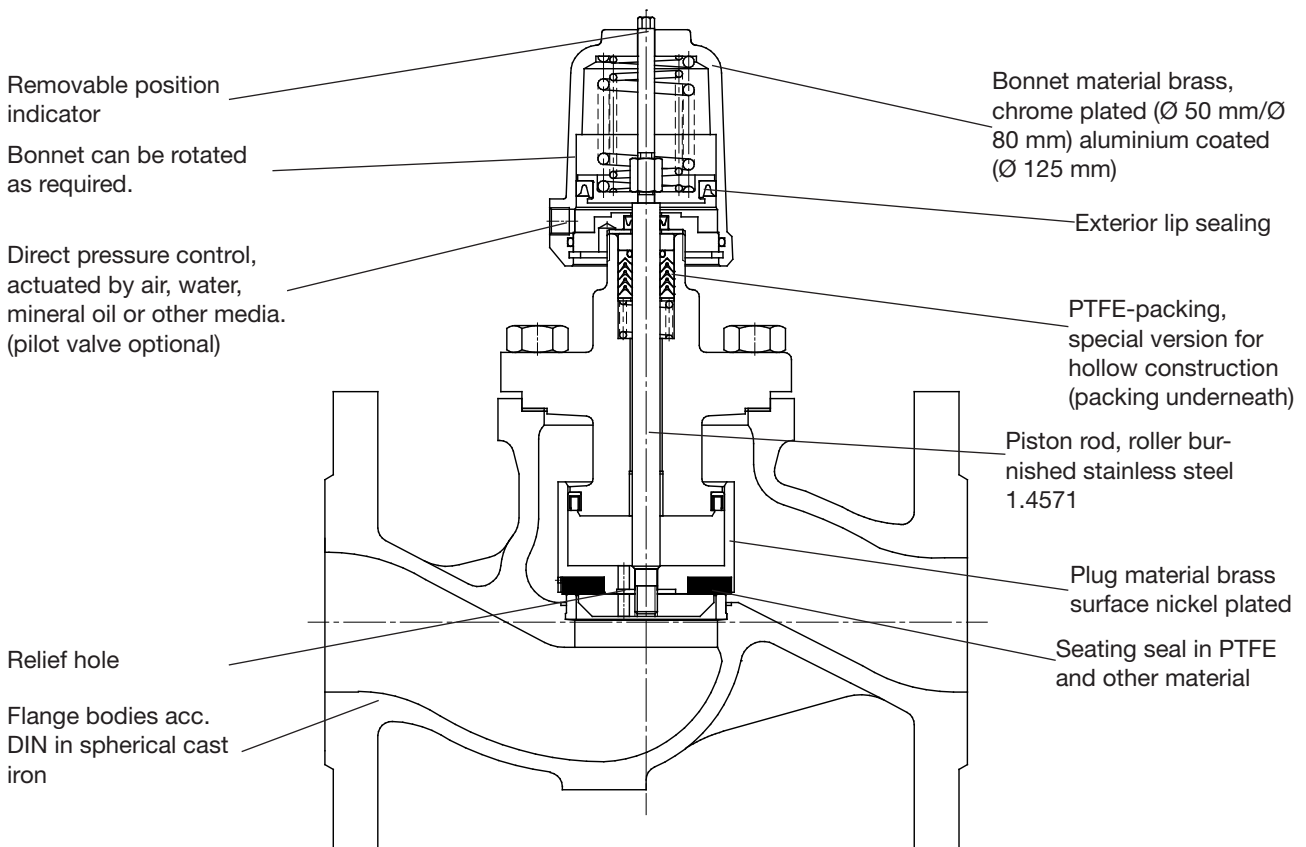
Nominal size mm	Working pressure (i.e. differential) bar	Pilot pressure bar		Piston actuator Ø mm
		seat material PTFE	FKM/EPDM/NBR	
100	16	-	3,5 - 10 (1)	80
100	16	3,1 - 10 (3)	1,3 - 10 (1)	125
125	16	3,1 - 10 (3)	2,2 - 10 (2)	125
150	16	3,1 - 10 (3)	2,2 - 10 (3)	125

Normally closed, flanged valves, closing against the flow.

() Number of springs

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



Flanged Valve 7030

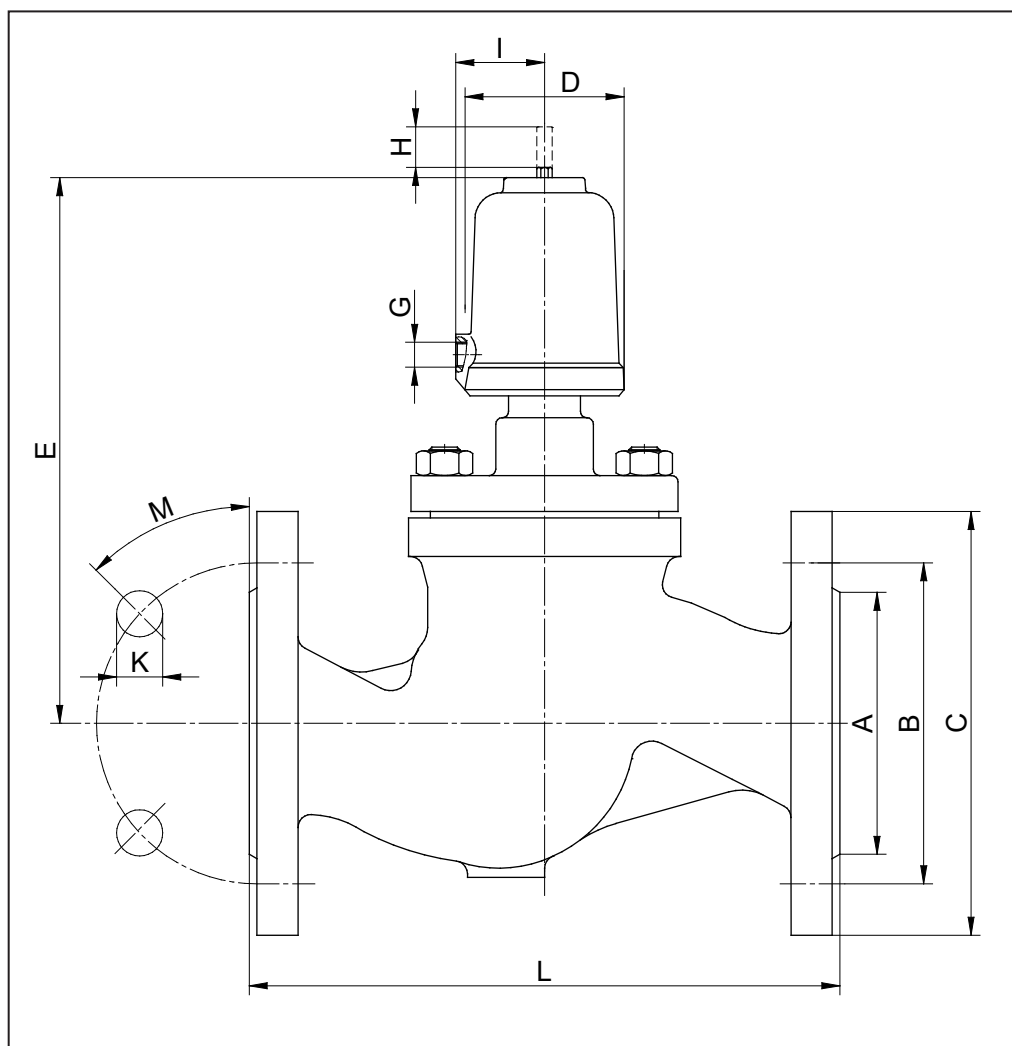
with balanced plug

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)
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



Text and pictures are not binding. We reserve the right, to alter the equipment.