

globe valve made of ductile iron series GL125



Main standard features

Rise limiter (available on request)

Lubricator

Double anti-friction bearings

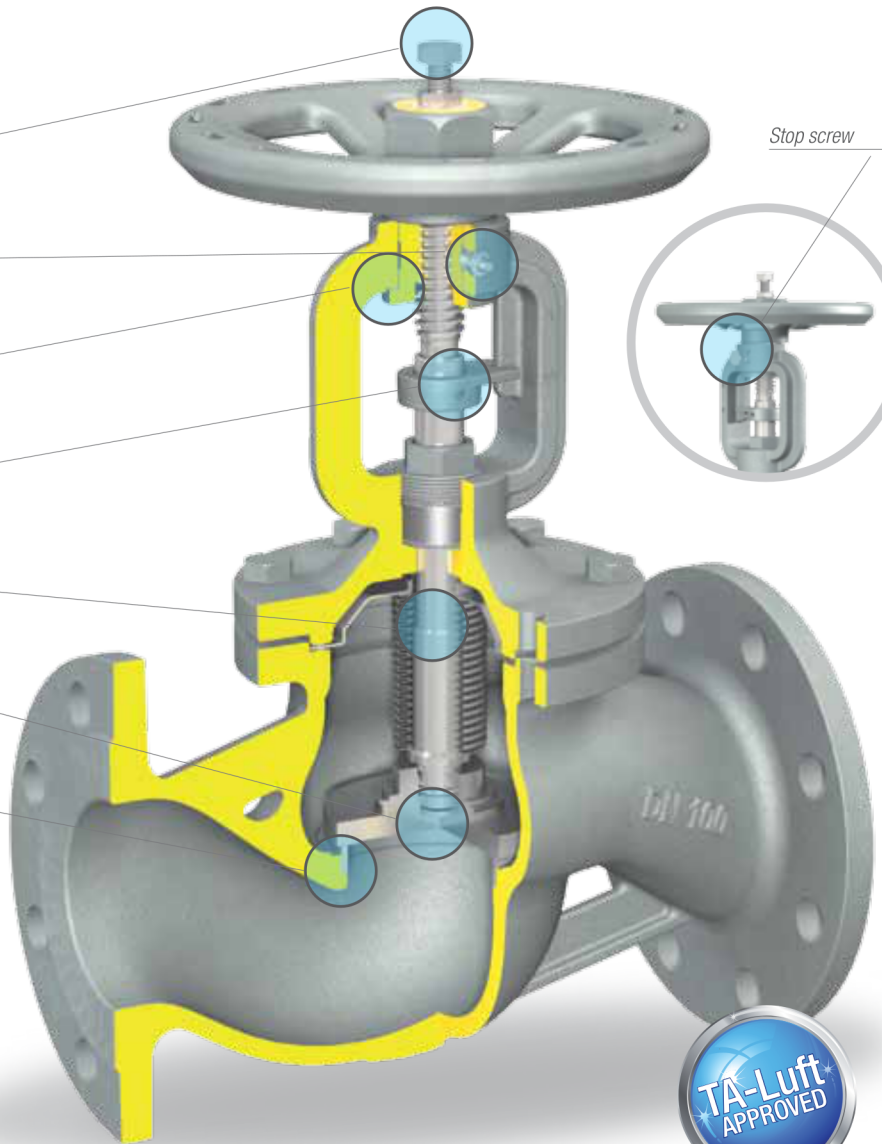
Opening index with anti-rotation function

Backseat

Rotating disc

Pressed-in seat

Stop screw



Application

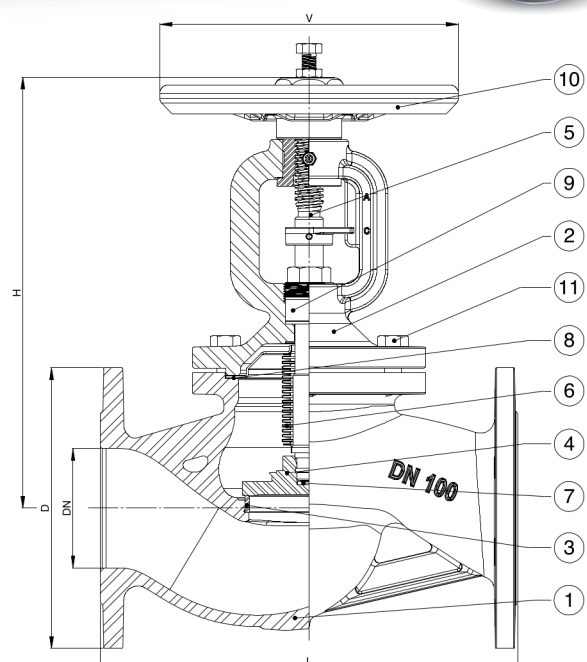
Heat transfer systems, thermal power stations, industrial boilers and tanks, district heating plants, diathermic oil installations, etc.

Suitable for

Hot water and/or overheated water, steam, air, diathermic fluids, etc.

Materials

POS.	Components	Material
1	Body	EN-GJS-400-18-LT
2	Yoke	EN-GJS-400-18-LT
3	Seat	St. Steel 1.4021
4	Disc	St. Steel 1.4021
5	Stem	St. Steel 1.4021
6	Bellows	St. Steel 1.4541
7	Antifriction disk	St. Steel 1.4021
8	Gaskets	Graphite + St. Steel
9	Packing	Graphite
10	Handwheel	Pressed steel
11	Screws	Carbon steel



Abbildungen unverbindlich, Konstruktions-, Maß- und Werkstoffänderungen vorbehalten
illustrations are non-binding, all designs, configurations, measurements and materials are subject to change without prior notice

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Sizes

DN	D	L	H	V	Kg	Kv
	mm	mm	mm	mm		m³/h
15	95	130	235	125	3,8	4,6
20	105	150	235	125	4,8	7,3
25	115	160	245	125	5,3	11,7
32	140	180	245	125	6,9	16,8
40	150	200	275	150	10	26,7
50	165	230	275	150	12	42,6
65	185	290	375	200	20,5	77,9
80	200	310	375	200	23	111
100	235	350	400	250	33	177
125	270	400	445	300	48	262
150	300	480	495	350	67	368
200	360	600	620	400	117	664

Kv at stroke rate item

DN	15	20	25	32	40	50	65	80	100	125	150	200
20%	0.33	0.84	1.3	2.2	3.72	8.26	8.91	16.1	21.1	35.9	51.1	72
40%	0.99	1.77	2.81	4.53	7.24	14.2	18	30.9	40.4	60.9	109	143
60%	2.17	3.52	4.91	8.3	13.5	22.2	34.2	55.2	74.6	103	190	258
80%	3.27	5.47	7.64	12.5	19.8	30.8	53.8	80.4	117	154	252	377
100%	4.19	6.77	9.22	15.4	24.5	36.5	64.1	91.7	138	182	286	446

Working conditions

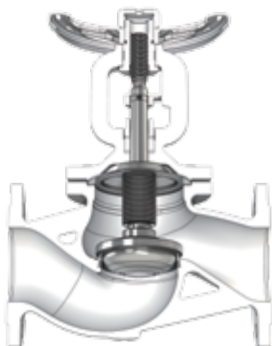
Temperature [°C]	-10/120	150	200	250	300	350
Pressure [bar]	25	24,3	23	21,8	20	17,5

It is necessary to use the balanced disc when the working pressure is over the following values

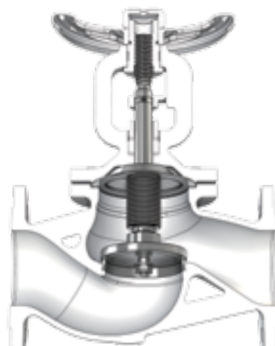
DN	65	80	100	125	150	200	250	300
Pressure [bar]	100	73	45	30	21	14	9	6

NOTE: Using a valve with balanced disc is it essential to install it in reverse way, that is with the pressure on the disc

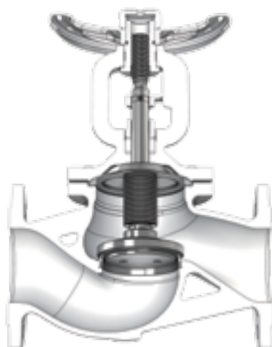
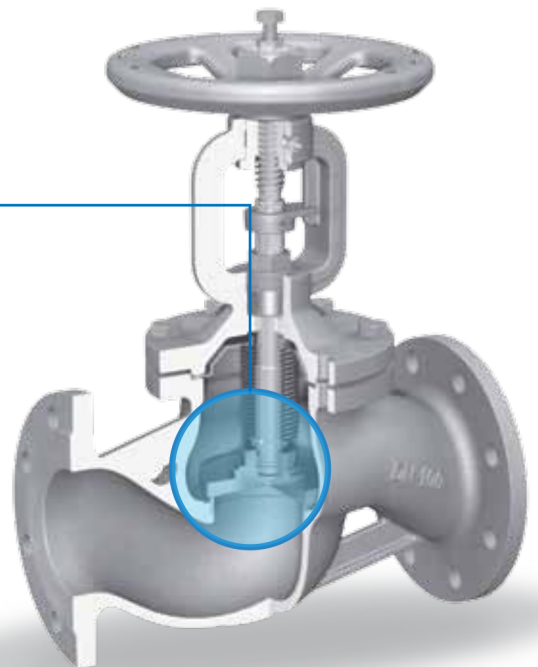
Manufacturing variations



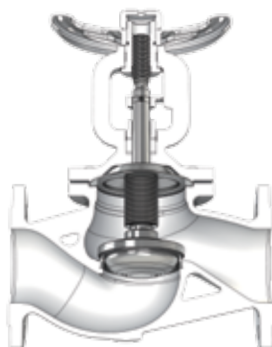
Regulating disc



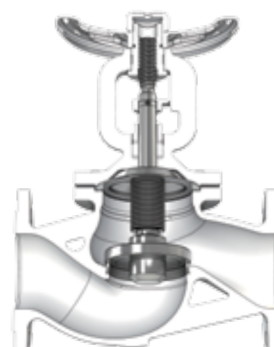
Balanced disc



Soft sealing interchangeable PTFE disc



Regulating disc with soft sealing interchangeable PTFE disc



SDNR Automatic disc with function of check and on/off valve

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