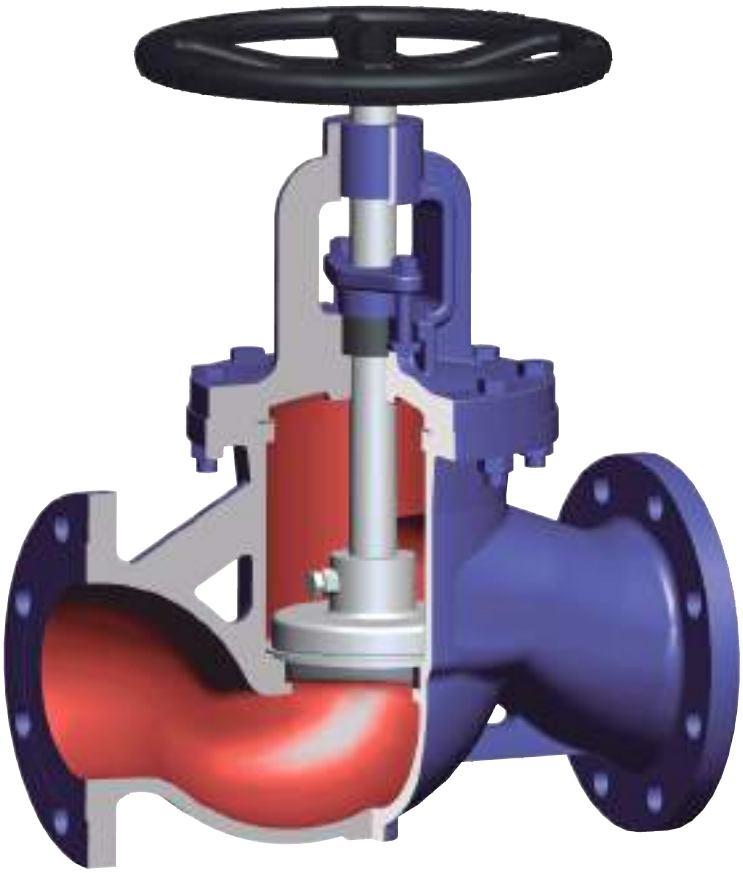
Gland packing globe valves



Typical Applications

» Cold water

» Condensate

» Hot water

» Steam up to 8 barg

» Glycol

Features

BVALVE Globe Valves include flanges designed according to EN 1092-2, face to face distance as per EN 558-1, ACME threaded stem screws and grounded shafts. Further premium characteristics include, safety stuffing box packing made of pure graphite. Body/bonnet compiled housed in tongue and grooved flanges. Besides, the plug has 360º free rotating configuration.

» **Free rotating plug:** Our 360º free rotation plugs improve the cleaning of dirt or impurities that fluids may carry, allowing a tighter clousure while avoiding vibrations from being transmitted to the valve stem.

» Pure graphite safety packings

» Robust and ergonomic hand wheel

» ACME Thick thread stem

» Flange faces acc. EN 1092

» With Robust Yoke design

» Tongued and grooved body and bonnet

OPTIONS UNDER REQUEST

Free of oil and grease surface treatment

Free of oil and grease surface treatment ready for oxygen application

BV25060 | PN16 EN 1092-2

Cast Iron EN-GJL-250

Temperature min. -10ºC

Temperature max. +200ºC

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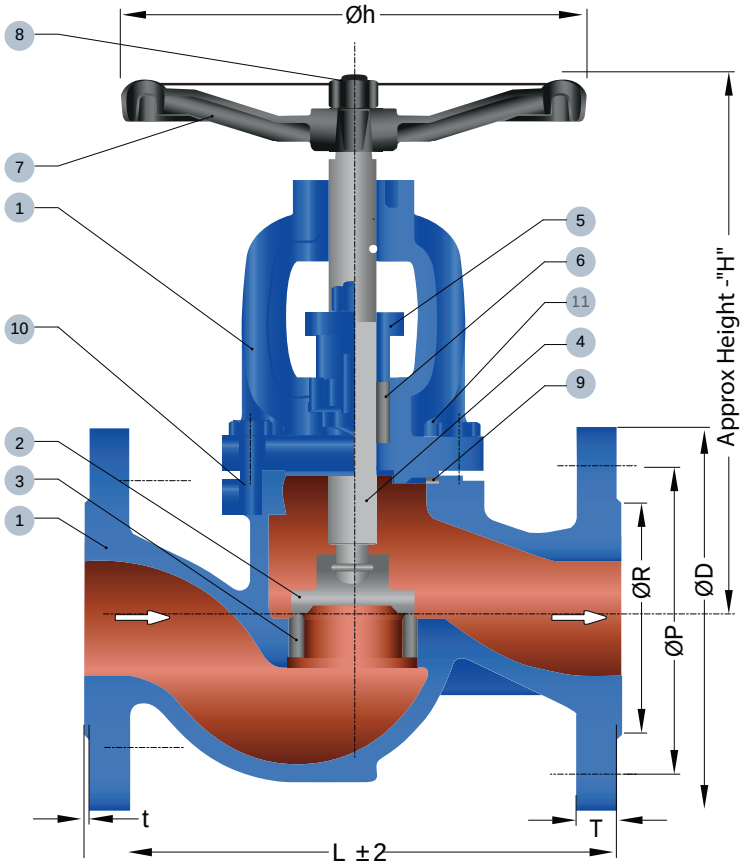
Testing pressure in bar

Hydro	Body	24
	Seat	18
Air	Seat	07



Nº	COMPONENT	MATERIALS

DN	PN	ØD (outer flange) diameter)	ØP (Bolt circle)	ØR	T (FGL.THK)	t	NO.OF HOLE / Ø	L (Face to face)	Øh	STROKE	H (closed)	Weight (Kg)
15	16	95	65	46	14	2	4/Ø14	130	100	13	182	3,5
20	16	105	75	56	16	2	4/Ø14	150	100	12	179	4,0
25	16	115	85	65	16	3	4/Ø14	160	120	17	200	5,5
32	16	140	100	76	18	3	4/Ø19	180	140	20	233	8,0
40	16	150	110	84	18	3	4/Ø19	200	140	27	247	10,0
50	16	165	125	99	20	3	4/Ø19	230	200	39	272	14,0
65	16	185	145	118	20	3	4/Ø19	290	200	40	306	21,0
80	16	200	160	132	22	3	8/Ø19	310	240	52	369	28,0
100	16	220	180	156	24	3	8/Ø19	350	280	58	397	41,0
125	16	250	210	184	26	3	8/Ø19	400	360	61	472	60,0
150	16	285	240	211	26	3	8/Ø23	480	360	73	514	78,0
200	16	340	295	266	30	3	12/Ø23	600	400	80,5	576	122,0

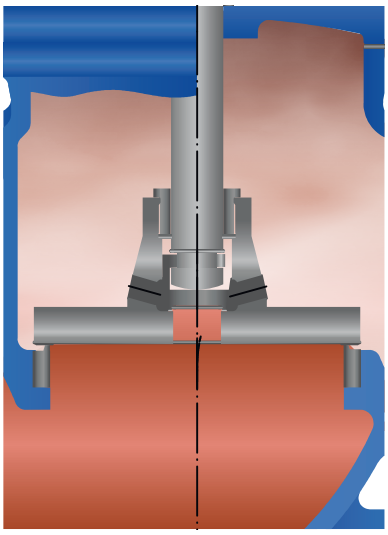
all dimensions in mm.

WORKING CONDITIONS			
Temperature ºC	-10/120	150	200
Pressure Bar	16	14,4	12,8

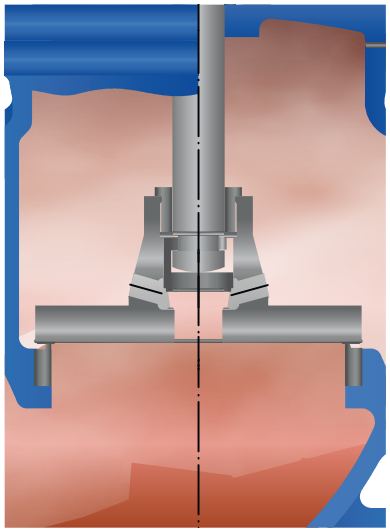
Standard balanced disc for DN250 and DN300

The use of balance disc is essential in case of high pressure to lighten the effort of valve manoeuvre. Over the limits shown in the table it is recom-mended to fit the valve in the opposite direction, i.e. With the pressure on the disc, obviously the balanced type.

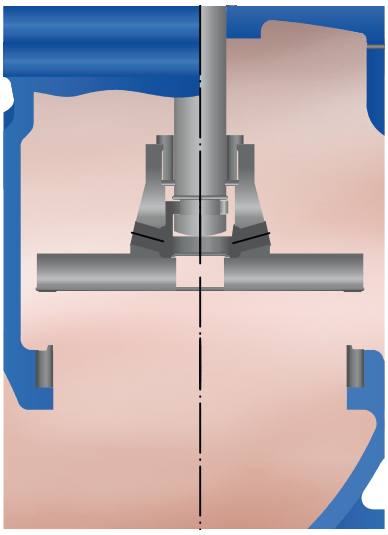
BVALVE valves are equipped standar with balanced plug in sizes DN250 and DN300. This feature allows our valves to be operated under full rating pressure..16barg



Phase 1:
The valve is completely closed



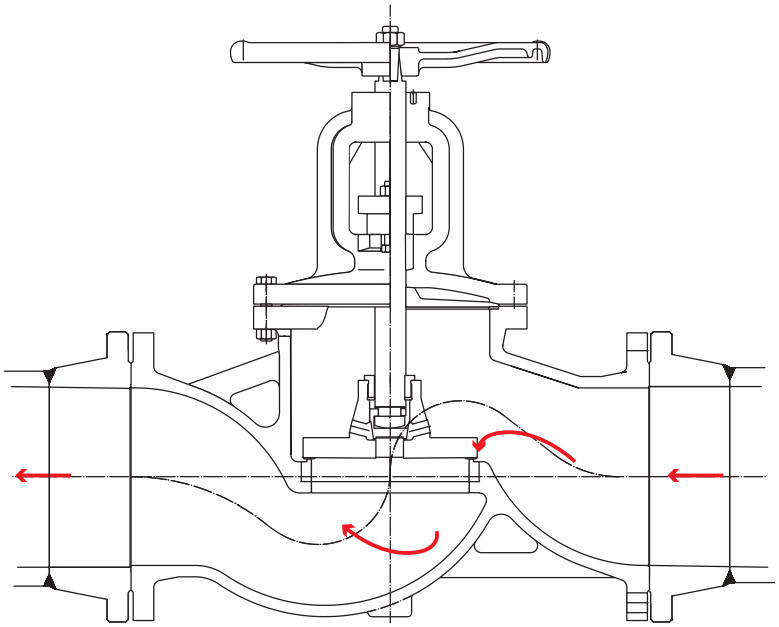
Phase 2:
The little/first disc opens and the pressure in the valve is balanced



Phase 3:
The valve is completely open.

INSTALLATION

Using a valve with balanced disc it is essentialto install it in reverse way, that is with the pressure on the disc.



BV25060 | PN16 EN 1092-2

Cast Iron EN-GJS-400-15

Temperature min. -10ºC

Temperature max. +200ºC

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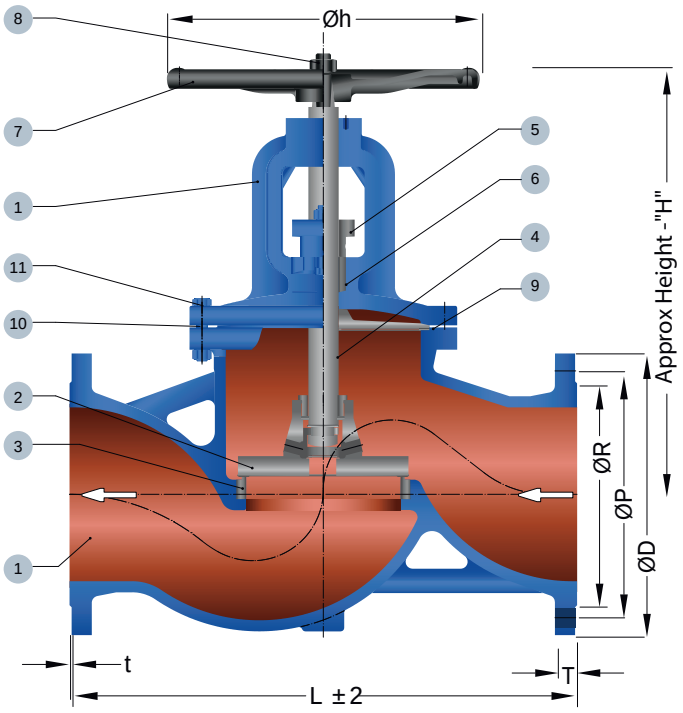
Testing pressure in bar

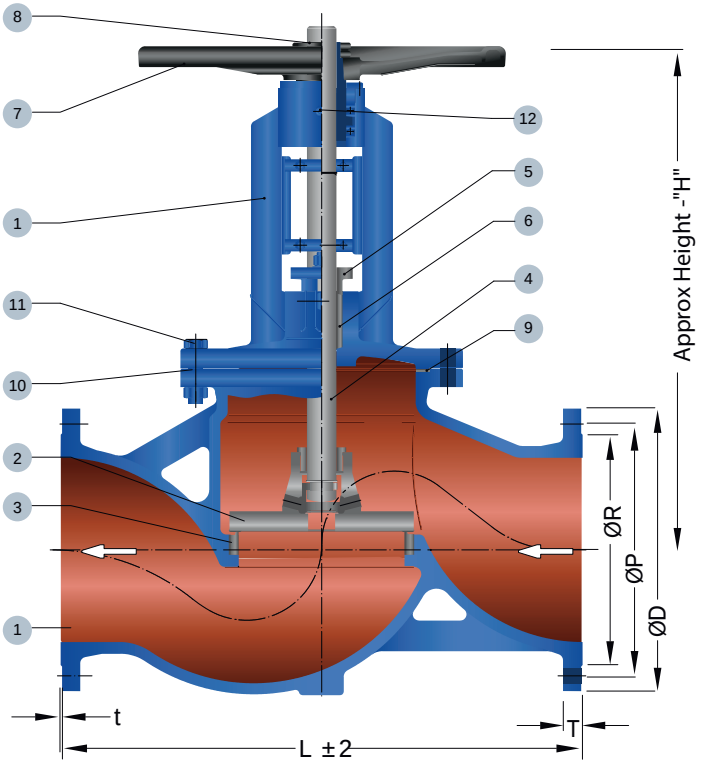
Hydro	Body	24
	Seat	18
Air	Seat	07

DN 250



Nº	COMPONENT	MATERIALS
1	Body & Bonnet	EN-GJS-400-15 (0.7040)
2	Plug	A105 (1.0482)
3	Seat	A420 (1.4021)
4	Stem	A420 (1.4021)
5	Gland	EN-GJS-450-10 (5.3107)
6	Packing	Graphite
7	Hand Wheel	EN-GJS-450-10 (5.3107)
8	Hand Wheel Nut	C25 (1.0406)
9	Bonnet Gasket	C10E (1.1121) + graphite
10	Bolt	C35 (1.0501)
11	Nuts	C25 (1.0406)
12	Grease Port	Brass

DN 300



DIMENSIONS		
DN	250	300
PN	16	16
ØD (outer flange diameter)	405	460
ØP (Bolt circle)	355	410
ØR	319	375
T (FGL.THK)	32	32
t	3	3
NO.OF HOLE / Ø	12xØ28	12xØ28
L (Face to face)	730	850
Øh	450	600
STROKE	106	130
H (closed)	740	983
Weight (Kg)	208,0	350,0

all dimensions in mm.

WORKING CONDITIONS			
Temperature ºC	-10/120	150	200
Pressure Bar	16	14,4	12,8