BELLOW SEALED GLOBE VALVES

Nominal diameter options (DN) 15-250
Nominal pressure options (PN) 10-16-25-40
Maximum working temperature 300°C- 400°C

Applications:
- » Water plants
- » Steam plants
- » Neutral fluids
- » Shipbuilding industry
- » Glycol
- » Heating

All globe valves correspond to the pressure equipment directive 97/23/EC.

Material options:
A) Grey cast iron
B) Nodular cast iron
C) Cast steel
D) Stainless steel

FEATURES

Fig. number	Body material	Nominal pressure PN	Nominal diameter DN	Max. temperature
01511	A) Grey cast iron	PN16	DN15-250	300 °C
01512-R	B) Nodular cast iron	PN16 PN25	DN15-200	350 °C
01514-R	C) Cast steel	PN10 PN16 PN25 PN40	DN15-150	400 °C
01516-R	D) Stainless steel	PN16 PN25 PN40	DN15-250	400 °C

*Globe valve can be equipped with hydraulic, pneumatic or electric actuator.
Ask more from ECONOSTO Oy sales personnel.

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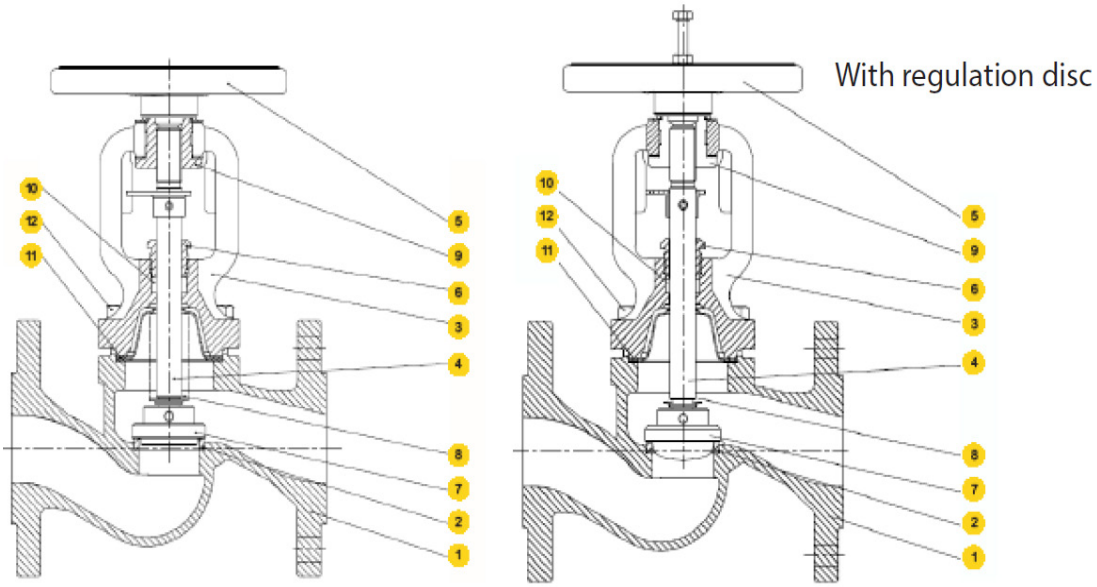
MATERIALS AND PARTS

A) Grey cast iron, Fig. 01511 B) Nodular cast iron, Fig. 01512, Fig. 01512R with reg. disc



	Part	A - Fig. 01511	B - Fig. 01512 - 01512R
1	Body	EN-GJL-250 JL1040	EN-GJS-400-18-LT JS1025
2	Seat ring	X12Cr13 1.4006	X12Cr13 1.4006
3	Bonnet	EN-GJS-400-18-LT JS1025	EN-GJS-400-18-LT JS1025
4	Stem	X20Cr13	X20Cr13
5	Hand-wheel	Steel	Steel
6	Gland	11SMnPb30	11SMnPb30
7	Disc	X20Cr13 1.4021	X20Cr13 1.4021
8	Bellow	X6CrNiMoTi-17-12-2	X6CrNiMoTi-17-12-2
9	Sleeve	11SMnPb30	11SMnPb30
10	Gland packing	Graphite	Graphite
11	Bonnet gasket	Graphite+CrNiSt	Graphite+CrNiSt
12	Hexagon bolt	8.8	A2-70
	Max. °C	300 °C	300 °C

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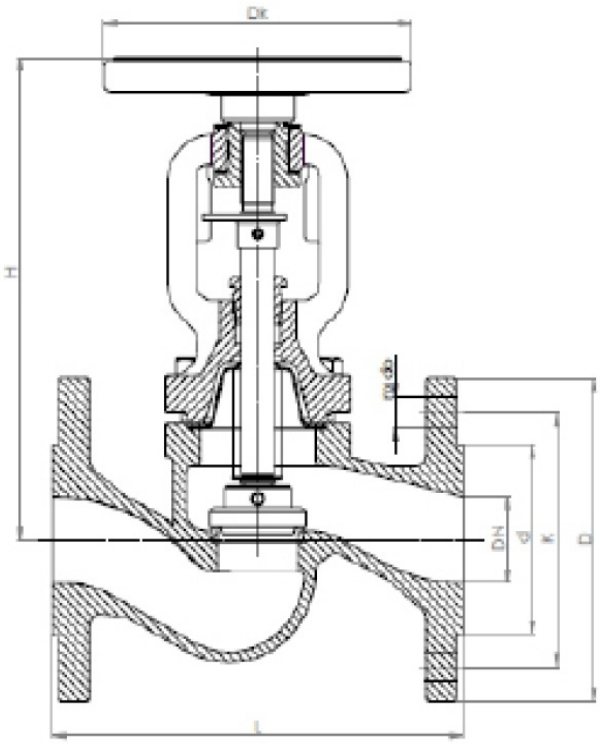
DIMENSIONS

A) Grey cast iron
Fig. 01511

B) Nodular cast iron
Fig. 01512
Fig. 01512R (with reg. disc)



DN	PN16				PN25				PN16, 25						With regulation disc	
	D	d	K	n x d	D	d	K	n x d	Dk	h	L	H	m³/h	KG	m³/h	KG
15	95	46	65	4x14	95	46	65	4x14	125	5	130	178	5,9	3,2	3,4	3,2
20	105	56	75	4x14	105	56	75	4x14	125	5	150	178	7,4	3,9	6,3	3,9
25	115	65	85	4x14	115	65	85	4x14	125	7	160	193	13,0	4,85	9,4	5,0
32	140	76	100	4x19	140	76	100	4x19	125	8	180	201	18,0	6,5	16,0	6,7
40	150	84	110	4x19	150	84	110	4x19	150	10	200	224	30,0	9,0	26,0	9,3
50	165	99	125	4x19	165	99	125	4x19	150	13	230	228	41,0	11,0	40,0	11,5
65	185	118	145	4x19	185	118	145	8x19	175	17	290	270	79,0	15,8	70,0	16,3
80	200	132	160	8x19	200	132	160	8x19	200	20	310	295	115	24,3	106	21,4
100	220	156	180	8x19	235	156	190	8x23	250	25	350	352	181	35,0	170	36,0
125	250	184	210	8x19	270	184	220	8x28	300	32	400	380	225	49,0	245	51,5
150	285	211	240	8x23	300	211	250	8x28	400	38	480	427	364	76,0	360	78,0
200	340	266	295	12x23	360	274	310	12x28	500*	50	600	569	725	130,5	-	130,5
250	405	319	355	12x28	-	-	-	-	500	63	730	645	-	210	-	-

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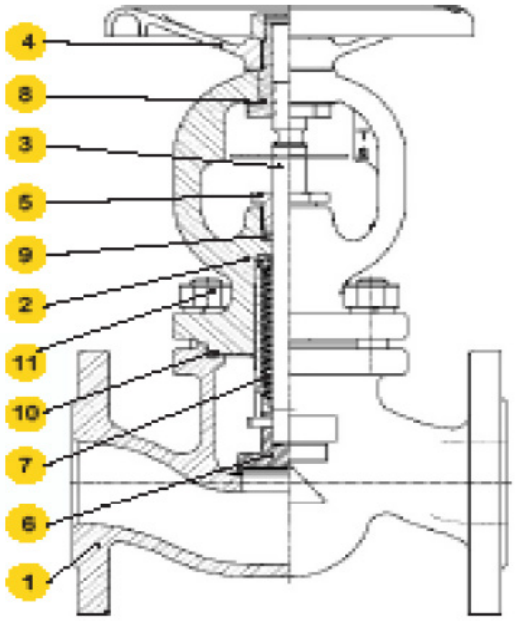
MATERIALS AND PARTS

C) Cast steel
Fig. 01514
Fig. 01514R (with reg. disc)



	Part	C - Fig. 01514 - Fig. 01514R
1	Body	GP240GH
2	Bonnet	GP240GH
3	Stem	X8CrNiS18-9 1.4305
4	Hand-wheel	Cast iron
5	Gland	11SMnPb30
6	Disc	X20Cr13 1.4021
7	Bellow	X6CrNiTi18-10
8	Sleeve	11SMnPb30
9	Gland packing	Graphite
10	Bonnet gasket	Graphite+CrNiSt
11	Bolt and nut	A2-70
	Max. °C	400 °C

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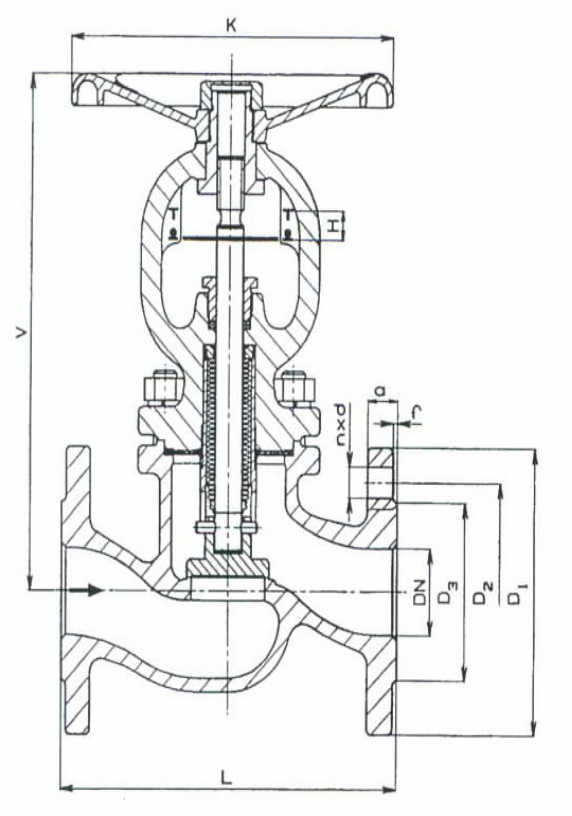
DIMENSIONS

C) Cast steel
Fig. 01514
Fig. 01514R



DN	PN 40										
	D	d	K	n x d	h	H	L	Dk	m³/h	KG	
15	95	45	65	4x14	125	6	130	189	16	4,3	4,3
20	105	58	75	4x14	125	6	150	189	18	7,0	5,1
25	115	68	85	4x14	125	6	160	189	18	11,0	5,8
32	140	78	100	4x18	150	10	180	220	18	17,5	9,5
40	150	88	110	4x18	150	10	200	220	18	27,0	9,8
50	165	102	125	4x18	200	16,5	230	295	20	47,0	17,5
65	185	122	145	8x18	200	16,5	290	295	22	68,0	20,5
80	200	138	160	8x18	300	25	310	368	24	116	34,0
100	235	162	190	8x22	300	25	350	368	24	162	44,0
125	270	188	220	8x26	400	40	400	523	26	250	77,0
150	300	218	250	8x26	400	40	480	523	28	364	110

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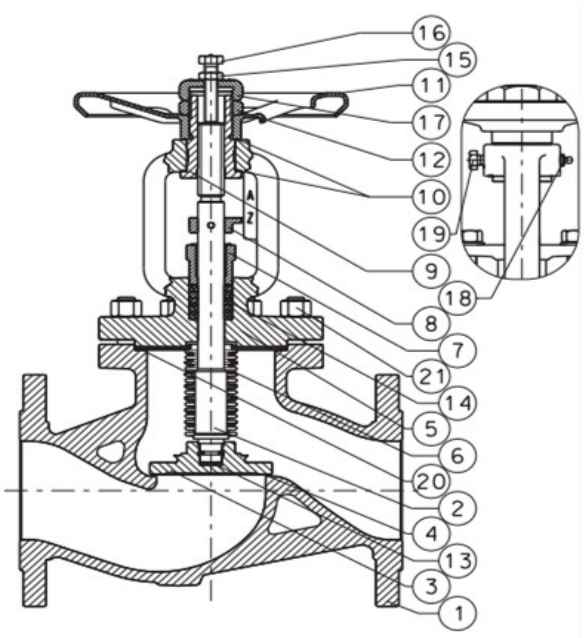
MATERIALS AND PARTS

D) Stainless steel
Fig. 01516
Fig. 01516R (with regulation disc)



	Part	D - Fig. 01516 - 01516R
1	Body	GX5CrNiMo 19-11-2
2	Stem	Stainless steel
3	Disc	Stainless steel
4	Seat	Stainless steel
5	Yoke	GX5CrNiMo 19-11-2
6	Bellows	Stainless steel
7	Gland	Stainless steel
8	Stem guide-index	Stainless steel
9	Bush DN15-200	Steel
9	Bush DN250	Nodular cast iron
10	Antifriction bearings	Tempered steel
11	Handwheel	Steel
12	Stop handwheel nut	Zinc plated steel
13	Antiriction disc	Stainless steel
14	Packing	Carbo-Graphite
15	Regulating nut	Zinc plated steel
16	Rise limiter	Zinc plated steel
17	Cap	Zinc plated steel
18	Lubricator	Zinc plated steel
19	Stop screw	Zinc plated steel
20	Gaskets	Graphite+Stainless steel
21	Nut	Steel

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DIMENSIONS AND WORKING TEMPERATURES

D) Stainless steel
Fig. 01516
Fig. 01516R (with regulation disc)

DN	D	L	H	V	KG	Kv (m3/h)
15	95	130	230	125	4,6	4,8
20	105	150	233	125	5,4	7,6
25	115	160	240	125	6,6	12,2
32	140	180	248	125	8,2	17,5
40	150	200	277	150	11,4	27,8
50	165	230	287	150	14,4	44,3
65	185	290	373	200	26,2	81,0
80	200	310	377	200	30,6	115,4
100	235	350	410	250	47,4	184,1
125	270	400	458	300	66,3	272,5
150	300	480	516	350	97,8	382,7
200	375	600	633	400	188,0	690,6
250	450	730	785	500	275,0	1086,0

DN	Allowable pressure (bar)	Max. working temperature
15-250	40	-10 / + 50
15-250	37,3	+ 100 °C
15-250	31,3	+ 200 °C
15-250	27,6	+ 300 °C
15-250	25,6	+ 400 °C

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