Fire Safe and Offshore Valves

Type 01851 - Globe Valve

Cryogenic-Globe and Globe/Check Valves, PN50 (DN100=PN40)
" Fire safe " type test approval acc. to EN ISO 10497

Stainless steel body and topwork,
" live loaded " gland packing
" cleaned and degreased for oxygen service "

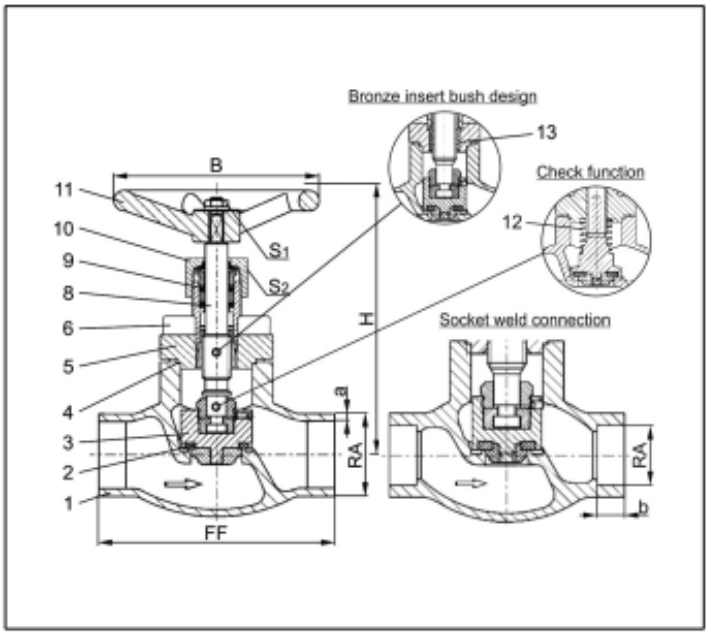
Part No. 01851.X.000*
Part No. 01851.X.500* Globe/Check Valve
* Butt weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

Part No. 01851.X.0004
Part No. 01851.X.5004 Globe/Check Valve
Socket weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

Available options - on request only:
· Welded stainless steel stubs acc. to ISO 1127 or ASTM A312 - length FF + 200mm
· Valve with control disc (tapered design)

Applications:
Suitable for hydrogen, approved for air gases, vapours and cryogenic liquefied gases incl. LNG.
Working temperature: -255°C / -427°F (18K) up to +120°C / +248°F (393K)
Recommended working temperature: -60°C / -76°F (213K) up to +120°C / +248°F (393K)

Materials		DIN EN	ASTM
1	Body	1.4409	A 351 CF3M
2	Valve seal	PTFE / Carbon filled (25%)	
3	Disc	1.4404	A 276 Grade 316L
4	Bonnet gasket	Graphite	
5	Headpiece	1.4404	A 276 Grade 316L
6	Bolts	1.4571/A4	similar A 194 B8T
8	Stem	1.4404	A 276 Grade 316L
9	Gland packing	Graphite / PTFE / MICA	
10	Gland nut	1.4305	A 276 Grade 303
11	Handwheel	1.4409	SA 351 CF3M
12	Spring	1.4571	A 313 Grade 316Ti
13	Bush	CW452K	B 159 UNS C51900



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).

CE

Type 01851 - Standard design	Technical data												
Nominal size	**DN**	**10**	**15**	**15**	**20**	**25**	**32**	**40**	**40**	**50**	**65**	**80**	**100**
Dimension code	.X.	1012	1517	1521	2026	2533	3238	4042	4048	5060	657x	8088	0114
Face-to-face dimension	FF	70	85	85	100	115	115	130	130	155	205	245	280
Height	H	140	140	140	140	140	170	175	175	200	260	310	350
Outside pipe-Ø ISO 1127	RA	12.0	17.2	21.3	26.9	33.7	38.0	42.4	48.3	60.3	76.1	88.9	114.3
Wall thickness pipe ISO 1127	a	1.0	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.2	6.0
Outside pipe-Ø ASTM A312	RA	13.72	17.15	21.34	26.67	33.40	-	42.16	48.26	60.33	73.03	88.90	114.3
Wall thickness pipe ASTM A312	a	dimensions acc. to S10 or S40											
Socket depth	b	6	10	10	13	13	-	13	13	16	16	16	20
Handwheel-Ø	B	100	100	100	100	100	125	125	125	125	200	250	315
Wrench size across flats	S_1	10	10	10	10	10	13	13	13	13	13	13	13
Wrench size across flats	S_2	30	30	30	30	30	36	36	36	36	36	36	41
Weight	ca. kg	1.0	1.25	1.3	1.7	2.0	2.8	4.2	4.2	6.7	10.7	16.0	23.0
Kvs-Value	m^3/h	1.6	3.8	4.3	6.7	11.5	14.0	20.6	22.6	37.1	71.1	104.0	170.0
Cv-Value	gal/min	1.9	4.4	5.0	7.8	13.4	16.2	23.9	26.3	43.2	82.7	120.9	195.2

Dimensions in mm.

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