

BC Cryogenic Globe Valve

| NSTE Corporation Limited

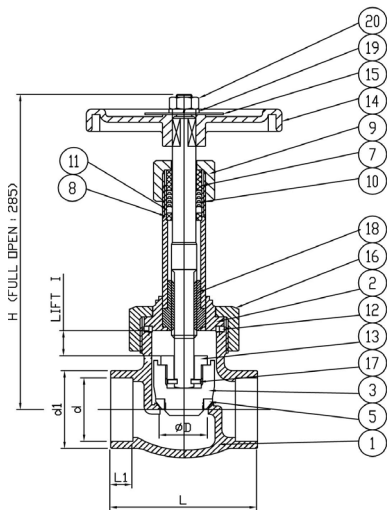
Short-stem for Cryogenic Liquid and Gas

“BC Cryogenic Short-stem Globe Valve” is designed to provide positive shut-off of cryogenic gas systems. This valve is used extensively in bulk storage tanks, portable liquid cylinders and pipelines for **LO₂, LN₂, LAr and LNG**.

Product Specifications

NS_110B

Design pressure: 3.0MPa
 Design temperature: -40°C~75°C
 Kind of fluid: N₂, O₂, Ar, CO₂, NG, C₂H₄
 Hydrostatic test pressure: 4.5MPa
 Pneumatic test pressure: 3.3MPa



Service characteristics

No	Name	Material	No	Name	Material
1	Body	BC 7	13	Stem Lock Nut	C3604
2	Bonnet	C3604	14	Hand Wheel	ALDC8
3	Valve Disc	C3604	15	Name Plate	A1100P
4	Stem	STS 304	16	Union Nut	C3604
5	Disc Seat	PTFE	17	Snap Ring	STS 304
6	Extended Pipe	STS 304 PT	18	Stud Nut	C3604
7	Gland Ring	C3604	19	Seat Washer	STS 304
8	Packing Ring	STS 304	20	Spring Washer	STS 304
9	Grand Nut	C3604	21	Spring Washer	STS 304
10	Packing	PTFE	22	Hex' Bolt	STS 304
11	Packing Adapter	PTFE			
12	Gasket	V#7020			

* No maintenance is required other than replacement of seat assembly if any problems happen.

NS110b Ordering information

Model No.	SIZE	ØD	d	d1	L	L1	I	W	H	Cv
NS110b-10A-SW	3/8" (10A)	12	17.5	26	56	8	8	80	160	2.0
NS110b-15A-SW	1/2" (15A)	15	21.9	30	62	9	10	80	165	2.9
NS110b-20A-SW	3/4" (20A)	20	27.4	36.8	70	11	12	100	180	6.1
NS110b-25A-SW	1" (25A)	25	34.2	44	76	12	13.5	100	190	9.3
NS110b-32A-SW	1-1/4" (32A)	32	42.9	52	90	13	16	100	230	14.0
NS110b-40A-SW	1 1/2" (40A)	40	48.8	62	110	14	22	140	270	25.0
NS110b-50A-SW	2" (50A)	50	61.0	74	130	15	25	140	290	38.0



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