

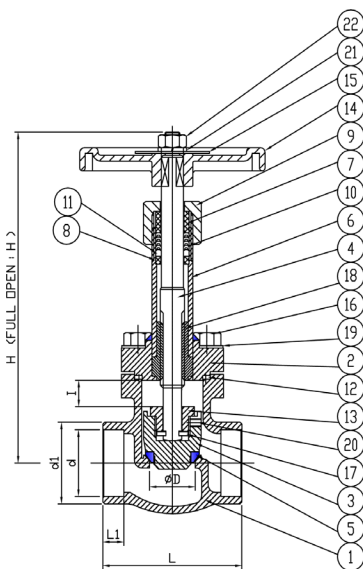
Short-stem for Cryogenic Gas

“SS 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 pipe-lines for O_2 , N_2 , Ar and NG .

Product Specifications

Design pressure: 5.0MPa
 Design temperature: $-40^{\circ}C \sim 75^{\circ}C$
 Kind of fluid: LN_2 , LO_2 , LAr , LCO_2 , LNG , LC_2H_4
 Hydrostatic test pressure: 7.5MPa
 Pneumatic test pressure: 5.5MPa

NS_110S



Service characteristics

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

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

NS110s Ordering information

Model No.	SIZE	ØD	d	d1	L	L1	l	W	H	Cv
NS110s-10A-SW	3/8" (10A)	12	17.5	26	56	8	8	80	160	2.0
NS110s-15A-SW	1/2" (15A)	15	21.9	30	62	9	10	80	165	2.9
NS110s-20A-SW	3/4" (20A)	20	27.4	36.8	70	11	12	100	180	6.1
NS110s-25A-SW	1" (25A)	25	34.2	44	76	12	13.5	100	190	9.3
NS110s-32A-SW	1-1/4" (32A)	32	42.9	52	90	13	16	100	230	14.0
NS110s-40A-SW	1 1/2" (40A)	40	48.8	62	110	14	22	140	270	25.0
NS110s-50A-SW	2" (50A)	50	61.0	74	130	15	25	140	290	38.0
NS110s-80A-SW	3" (80A)	80	78	100	210	-	32	200	350	58
NS110s-100A-SW	4" (100A)	100	98	130	280	-	38	250	420	140

* All valves are designed for 'Bolt type bonnet' and nickel plated gland nut to prevent galling..
 Valves are manufactured by patented technology. More than 50A is butt weld connection.

