

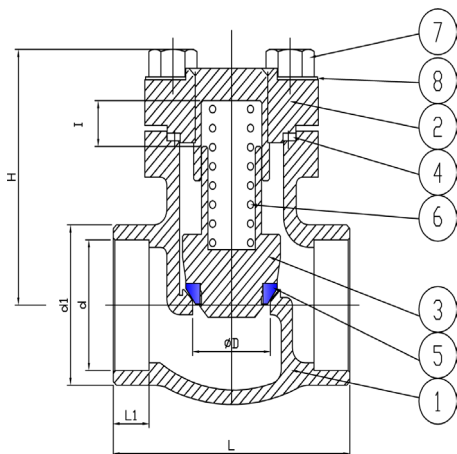
Lift Type for Cryogenic Liquid and Gas

NS_200S

“SS Cryogenic Lift Check Valve” is designed for use as a check valve which allows fluids to flow in one direction in cryogenic liquid systems. This valve is used extensively in bulk storage tanks, portable liquid cylinders and pipelines for **LO₂**, **LN₂**, **LAr**, and LNG.

Product Specifications

Design pressure: 5.0MPa
 Design temperature: -196°C~75°C
 Kind of fluid: **LN₂**, **LO₂**, **LAr**, **LCO₂**, **LNG**, **LC₂H₄**
 Hydrostatic test pressure: 7.5MPa
 Pneumatic test pressure: 5.5MPa



Service characteristics

No	Name	Material	No	Name	Material
1	Body	CF8	7	Hex' Bolt	SUS 304
2	Bonnet	CF8	8	Spring Washer	SUS 304
3	Valve Disc	C3604			
4	Gasket	V#7020			
5	Disc Seat	PCTFE			
6	Spring	SUS 304			

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

NS200s Ordering information

Model No.	SIZE	ØD	d	d1	L	L1	I	H	Cv
NS200s-15A	1/2" (15A)	15	21.9	30	62	9	10	53	2.9
NS200s-20A	3/4" (20A)	20	27.4	36.8	70	11	12	62	6.1
NS200s-25A	1" (25A)	25	34.2	44	76	12	13.5	67	9.3
NS200s-40A	1 1/2" (40A)	40	48.8	62	110	14	22	267	22.0
NS200s-50A	2" (50A)	50	61.0	74	130	15	25	275	38.0

*Valves are manufactured by patented technology.

