

Economizer Regulator

| NSTE Corporation Limited

Bellows type, Cryogenic Liquids

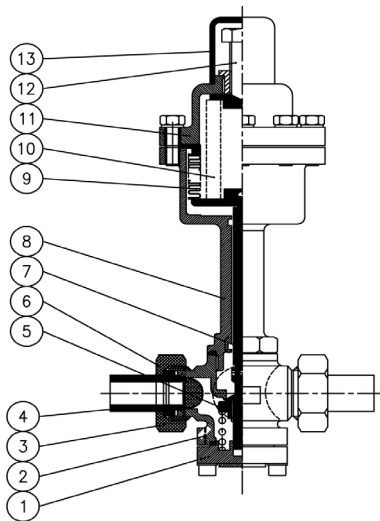
“Economizer Regulator” is designed to control pressure on cryogenic liquid system. This is used extensively in bulk storage tanks, portable liquid cylinders for LO₂, LN₂, LAr and LNG. As bellows are used instead of diaphragm, Cv value of economizer regulator much bigger than the others.

NS_550



Service characteristics

No	Name	Material	No	Name	Material
1	Flange	SUS304	8	Bonnet	SSC13
2	Body	SSC13	9	Bellows	SUS 304
3	Nut	C3604	10	Spring	SUS 304
4	Swing	SUS304	11	Act cup	AL6061
5	Disc	SUSC3604	12	Adjust bolt	SUS304
6	Filter	SUS304	13	Bolt cup	AL6061
7	Stem	SUS304			



Product Specifications

Description	NS550-15	NS550-25
Design Pressure	3.5	3.5 MPa
Design Temperature	-196°C~75°C	
Kind of Fluid	LN ₂ , LO ₂ , LAr, CO ₂ , LNG, LC ₂ H ₄	
Hydrostatic Test	5.3	5.3 MPa
Pneumatic Test	3.9	3.9 MPa
Adjust Range	0.2~3.5	0.2~3.5 MPa

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

NS550 Ordering information

Model No.	SIZE	ØD	d	d1	L	Wt	A	B	Cv
NS550-15	1/2" (15A)	15	17	21.7	200	3.0 kg	33	M38	1.3
NS550-25	1" (25A)	25	25	34.	320	8.0 kg	41	M48	3.9

* Note: 1. Manufactured by exclusive technology.

2. Model is recommended to be upright.



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