

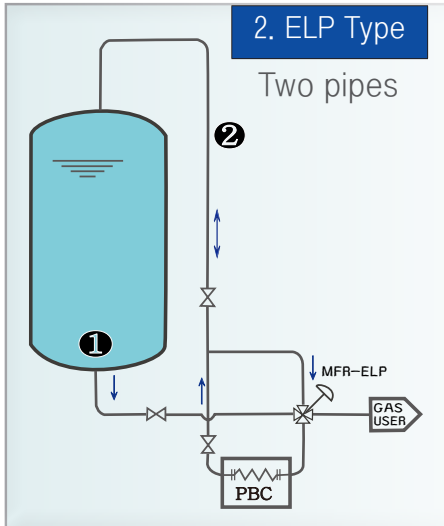
# Multi-Functional Regulator (MFR)

NSTE Corporation Limited

for Cryogenic Storage

## MFR-ELP

MFR | System architecture



Product Specifications	
Available fluid	LN <sub>2</sub> , LO <sub>2</sub> , LAr, LCO <sub>2</sub> , LNG
Flux	300~25,000 Nm <sup>3</sup> /h
Maximum operating pressure	Low pressure 2.0 MPa High pressure 4.0 MPa
Adjustable pressure range	Low pressure 0.2~1.7 MPa High pressure 0.6~3.5 MPa
Drive temperature	-196°C~40°C

- a. With only two pipes installation as possible
- b. This drastically reduces the components used, and the drive is easy to install
- c. Drive and qualified are simple and maintain stability

- \*Storage tanks will be produced with new (LO<sub>2</sub>, LN<sub>2</sub>, LAr, LNG)
- \*Reduced pressure, and elevated pressure, the liquid supply pipe all of the features are included

### MFR Flow Data table

- Pressure 7bar, Temperature -196°C, Liquid Nitrogen, 900mm liquid boosting the ability of the above

- Liquid flow rates of gas compared to Transmission Quantity: Nm<sup>3</sup>/hr

Dimensions	Can flow-meter (Cv)	PB Liquid flow rate (1/hr)	PB Gas Volume (m <sup>3</sup> /hr)	The maximum liquid Take-out amount (m <sup>3</sup> /hr)	maximum gas Transmission Quantity (Nm <sup>3</sup> /hr)	Dimensions	The cross-sectional area (m <sup>2</sup> )	gas Transmission Quantity (Nm <sup>3</sup> /hr)		
								1m/sec	3m/sec	5m/sec
15A(1/2")	4	900	160	20	12,900	15A(1/2")	4	300	900	1,500
25A(1")	14	3,200	580	70	45,200	25A(1")	14	1,200	3,600	6,000

Format	Function	Pressure Range (MPa)	Size (mm)	Weight (kg)
ELF-15L	EC,LS,PB	0.2~1.7	290×140×115	5
ELF-15H	EC,LS,PB	0.6~3.5	290×140×115	5
ELF-25L	EC,LS,PB	0.2~1.7	470×250×200	5
ELF-25H	EC,LS,PB	0.6~3.5	470×250×200	5



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