



MANIFOLD SYSTEM FOR LIQUID VESSELS

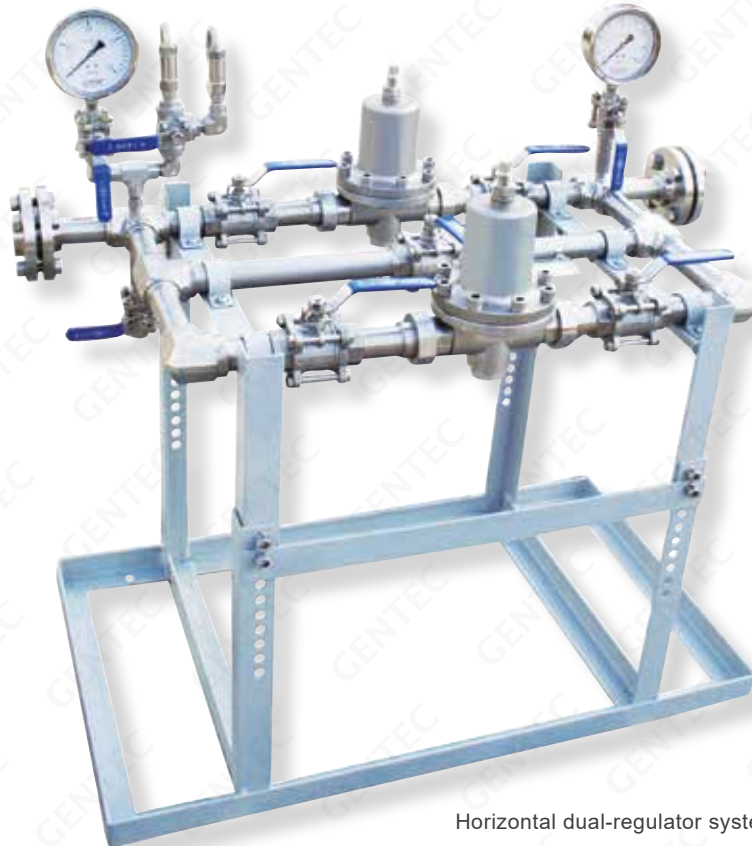
S6 SERIES

Manifold system for liquid vessels

Solutions for Life

Manifold System for Liquid Vessels

The system is designed for cryogenic vessels or other gas supply system. Cryogenic liquid gases are converted from liquid phase to gas phase as they pass through the heater (not included in the manifold system). The gas then travels downstream through the manifold system where the pressure is reduced to provide a stable, high flow outlet.

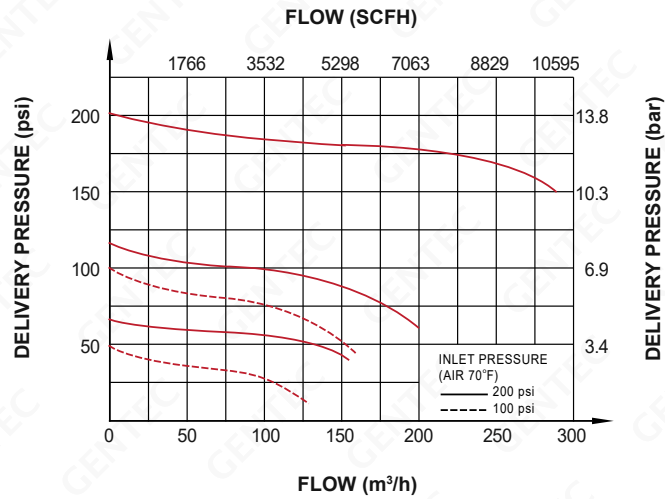


Horizontal dual-regulator system with bypass,
installation bracket included

Features

- Suitable for liquid oxygen, liquid argon, liquid nitrogen, and carbon dioxide applications
- Compact structure with dual safety valve protection
- Three configurations available: Single-regulator system with bypass, dual-regulator system, and dual-regulator system with bypass
- Two installation methods available: Horizontal and vertical
- Maximum inlet pressure: 435 psi (3 MPa)
- Maximum outlet pressure: 203 psi (1.4 MPa)
- Operating temperature: -58 ~ 140°F (-50 ~ 60°C)

Flow Charts



Configurations

<p>S6120 Horizontal dual-regulator system (standard)</p>	<p>S6110 Horizontal single-regulator system with bypass</p>	<p>S6130 Horizontal dual-regulator system with bypass</p>
<p>S6220 Vertical dual-regulator system (standard)</p>	<p>S6210 Vertical single-regulator system with bypass</p>	<p>S6230 Vertical dual-regulator system with bypass</p>

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Ordering Information

Name	Model Number	Maximum Inlet Pressure psi (bar)	Maximum Outlet Pressure psi (bar)	Relief Valve psi (bar)	Inlet / Outlet Connection	Dimensions in.(mm)
Horizontal dual-regulator system (standard)	S6120-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 9.1 (930 x 230) (Center distance) x 15.8~23.6 (400~600) (Adjustable distance)
	S6120-125	450 (30)	125 (8.5)	150 (10.5)		
	S6120-200	450 (30)	200 (14)	230 (15.9)		
Horizontal single-regulator system	S6110-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 9.1 (930 x 230) (Center distance) x 15.8~23.6 (400~600) (Adjustable distance)
	S6110-125	450 (30)	125 (8.5)	150 (10.5)		
	S6110-200	450 (30)	200 (14)	230 (15.9)		
Horizontal dual-regulator system with bypass	S6130-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 23.6 (930 x 345) (Center distance) x 15.8~23.6 (400~600) (Adjustable distance)
	S6130-125	450 (30)	125 (8.5)	150 (10.5)		
	S6130-200	450 (30)	200 (14)	230 (15.9)		
Vertical dual-regulator system (standard)	S6220-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 11.2 (930 x 285) (Center distance)
	S6220-125	450 (30)	125 (8.5)	150 (10.5)		
	S6220-200	450 (30)	200 (14)	230 (15.9)		
Vertical single-regulator system with bypass	S6210-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 11.2 (930 x 285) (Center distance)
	S6210-125	450 (30)	125 (8.5)	150 (10.5)		
	S6210-200	450 (30)	200 (14)	230 (15.9)		
Vertical dual-regulator system with bypass	S6230-50	450 (30)	50 (3.5)	100 (6.9)	DN25 concave and convex surface socket type flange	36.6 x 18.3 (930 x 465) (Center distance)
	S6230-125	450 (30)	125 (8.5)	150 (10.5)		
	S6230-200	450 (30)	200 (14)	230 (15.9)		

Horizontal manifold system is provided with standard bracket.

For other specifications, please contact Genstar Technologies.

LC856 Series Heavy Duty Gas Line Regulators

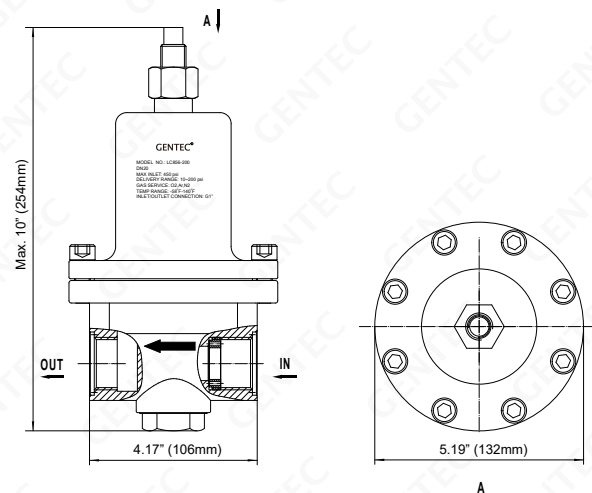
The LC856 Series Heavy Duty Gas Line Regulator is designed for final line pressure regulation and suitable for high flow gas distribution systems.

Features

- Single-stage construction
- Bonnet and body are made of forged stainless steel
- Operating temperature: -58 ~ 140°F (-50 ~ 60°C)
- Integrated diaphragm configuration ensures no-leak seal
- Internal filter
- Cleaned for oxygen service per CGA 4.1
- Constructed with oxygen compatible materials



Dimensions



Ordering Information

Model Number	Maximum Inlet Pressure psi (bar)	Maximum Delivery Pressure psi (bar)	Inlet Connection	Outlet Connection
LC856-50	435 (30)	50 (3.5)	G 1"	G 1"
LC856-125	435 (30)	123 (8.5)	G 1"	G 1"
LC856-200	435 (30)	203 (14)	G 1"	G 1"

ACCESSORIES

RV95 Series Cryogenic Relief Valves

Solutions for Life

RV95 Series Cryogenic Relief Valves

This safety valve is specifically designed for cryogenic gases, and can be used for pipeline systems, cryogenic cylinders, or small cryogenic tanks. When the pressure in the system surpasses the preset pressure value, the valve will automatically start relieving excess pressure.

Features

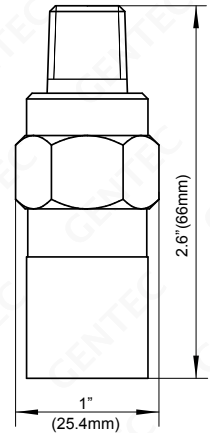
- Valve opens on preset value and reseats below 95%
- Operating Temperature
Fluorosilicone: 14 ~ 176°F (-10 ~ 80°C)
PTFE: -320 ~ 176°F (-196 ~ 80°C)
- Available Set Pressure: 22 ~ 500 psi (1.5 ~ 34.5 bar)
- Conforms to CGA G-4.1 for cleaning components
- Constructed with oxygen compatible materials

Materials

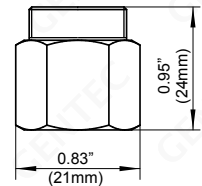
- Valve Body: Stainless Steel
- Spring: Stainless Steel
- Pressure adjusting screw: Stainless Steel
- Seal: Fluorosilicone (Apply pressure: 22 ~ 100 psi)
PTFE (Apply pressure: 150 ~ 500 psi)



SS-RV95



SS-NUT3/4-FNT6



Ordering Information

SL -	RV95	08 -	T	150 -	NT4	H
Body Material	Series	O.D.	Seat Material	Set Pressure psi (bar)	Inlet Connection	Side Hole
SS: Stainless Steel	RV95	08:0.28"(7mm) 10:0.39"(10mm)	F: Fluorosilicone T: PTFE	22 (1.5), 35 (3.4), 50 (6.9), 100 (6.9), 120 (8.3), 150 (10), 230 (15.8), 250 (17.2), 350 (24.1), 450 (31), 500 (34.5)	NT4: 1/4" NPT NT6: 3/8" NPT NT8: 1/2" NPT	H: With side Hole



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