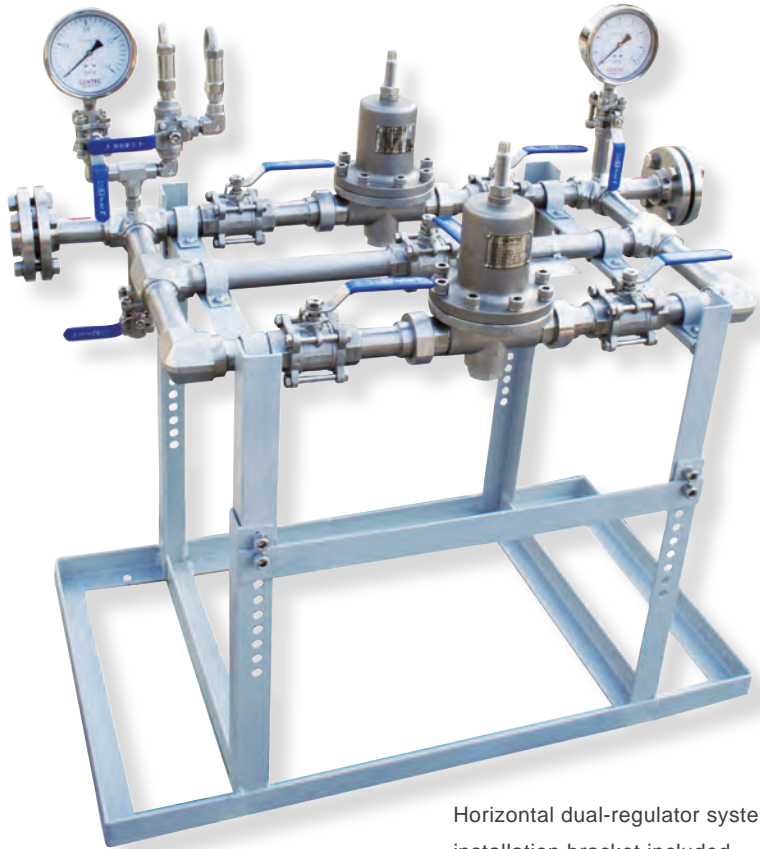


MANIFOLD SYSTEM FOR LIQUID VESSELS

Technology for a Better Future

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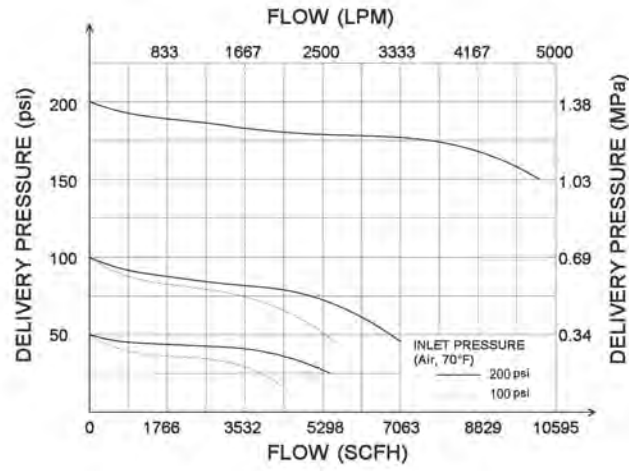
The system is designed for cryogenic vessels or other gas supply system. Cryogenic liquid gases are converted from liquid phase to gas phase as they pass through the heater (not included in the manifold system). Then the gas travels downstream through the manifold system where the pressure is reduced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



Horizontal dual-regulator system with bypass,
installation bracket included

- ▶ 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: -320~140°F (-196~60°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>

■ ORDERING INFORMATION

NAME	MODEL NUMBER	MAXIMUM INLET PRESSURE psi (MPa)	MAXIMUM OUTLET PRESSURE psi (MPa)	RELIEF VALVE psi	INLET / OUTLET CONNECTION	DIMENSIONS (mm)
Horizontal dual-regulator system (standard)	S6120-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 230 (Center distance) x 400~600 (Adjustable distance)
	S6120-125	450 (3)	125 (0.85)	150		
	S6120-200	450 (3)	200 (1.40)	230		
Horizontal single-regulator system	S6110-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 230 (Center distance) x 400~600 (Adjustable distance)
	S6110-125	450 (3)	125 (0.85)	150		
	S6110-200	450 (3)	200 (1.40)	230		
Horizontal dual-regulator system with bypass	S6130-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 345 (Center distance) x 400~600 (Adjustable distance)
	S6130-125	450 (3)	125 (0.85)	150		
	S6130-200	450 (3)	200 (1.40)	230		
Vertical dual-regulator system (standard)	S6220-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 285 (Center distance)
	S6220-125	450 (3)	125 (0.85)	150		
	S6220-200	450 (3)	200 (1.40)	230		
Vertical single-regulator system with bypass	S6210-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 285 (Center distance)
	S6210-125	450 (3)	125 (0.85)	150		
	S6210-200	450 (3)	200 (1.40)	230		
Vertical dual-regulator system with bypass	S6230-50	450 (3)	50 (0.35)	100	DN25 concave and convex surface socket type flange	930 x 465 (Center distance)
	S6230-125	450 (3)	125 (0.85)	150		
	S6230-200	450 (3)	200 (1.40)	230		

Horizontal manifold system is provided with standard bracket.
For other specifications, please contact Genstar Technologies.

■ ACCESSORIES

LC856 SERIES HEAVY DUTY GAS LINE REGULATOR

is designed for final line pressure regulation and suitable for high flow gas distribution systems.

- Single-stage construction
- Bonnet and body are made of forged stainless steel
- Operating temperature: -320 ~ 140°F (-196 ~ 60°C)
- Integrated diaphragm configuration ensures no-leak seal
- Internal filter
- Conforms to CGA G-4.1 for cleaning components
- Constructed with oxygen compatible materials

Model Number	Maximum Inlet Pressure psi (MPa)	Maximum Outlet Pressure psi (MPa)	Inlet / Outlet Connection
LC865-50	435 (3)	50 (0.35)	G 1"
LC865-125	435 (3)	123 (0.85)	G 1"
LC865-200	435 (3)	203 (1.4)	G 1"



SAFETY VALVE

This safety valve is especially is designed for cryogenic gases, and can be used in pipeline systems, cryogenic cylinders, or small cryogenic tanks. When the pressure in the system surpasses the preset pressure in the safety valve, the valve will automatically relieve the pressure from system.

- Safety valve will open when system pressure reaches the preset level and reseal when the system pressure falls below the preset level (95%)
- Operating temperature: -321 ~ 165°F (-196 ~ 74°C)
- Available set pressure: 22 ~ 500 psi (0.15 ~ 3.45 MPa)
- Self reseating
- Conforms to CGA G-4.1 for cleaning components
- Constructed with oxygen compatible materials

Pressure Labels

Set Pressure	Color
22	Yellow
35	Purple
50	White
100	Gray
150	Red
230	Blue
350	Orange
450	Pink
500	Light Blue



B -	RV95 -	T	150 -	NT4
Valve Material: B: Brass SS: Stainless Steel	Series:	Seat Material : F: Fluorosilicone Copolymer T: PTFE	Set Pressure (psi) : 22, 35, 50, 100, 150, 230, 350, 450, 500	Inlet Connection: NT4: 1/4" NPT(M) NT6: 3/8" NPT(M) NT8: 1/2" NPT(M)



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