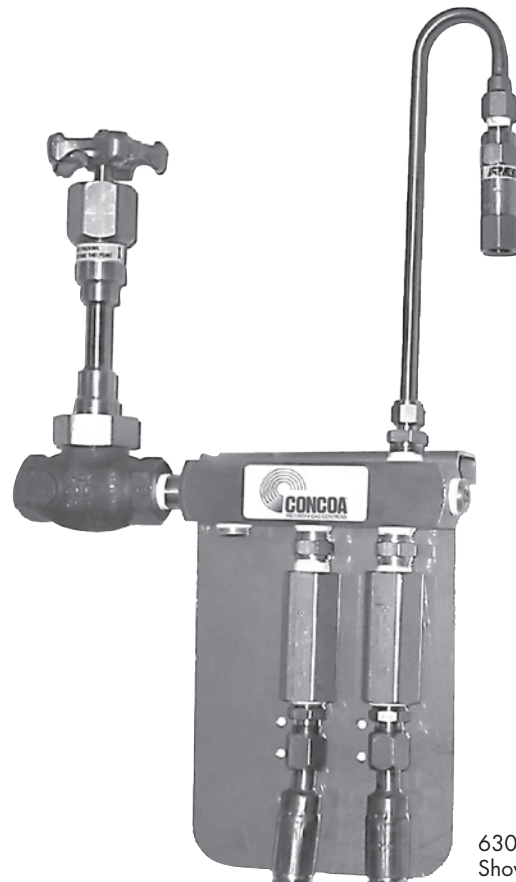


630 Series Cryogenic Manifold



*High Flow
Enhances Cryogenic Performance
Portable Asset*

The 630 series manifold when coupled with the 629 vent kit enables the user to extend the flow range of common liquid cylinders up to four times the rated gaseous flow capacity. Available with a wall or cylinder mount panel the 630 cryogenic manifold allow the user to respond quickly to the ever changing job shop environment. Rated up to 600 psi MWP the 630 has the flexibility to optimize 230, 350 as well as 500 psi rated liquid cylinders. This solution is ideal for laser, furnace blanketing and other high-flow applications.



630-1122-02-001
Shown

Advanced Features

- *Pipe away relief*
Prevents over-pressurization
- *Spring-loaded check valves*
Prevents excess flash loss
- *Stainless panel mounted*
Enables wall or portable mounting
- *Extended stem isolation valve*
Positive shut-off under extreme temperatures
- *Modular design*
Offers simple field expandability
- *Optional auxiliary pressure building kit*
Maintains 450 psi in excess of 4000 cfm

Applications

Cryogenic Laser Assist
Nitrogen
Oxygen

High Flow Blanketing
Carbon dioxide
Inert gases

Gas Blending
Argon primary supply

Materials

Brass Barstock Body

Specifications

Maximum Inlet Pressure
600 psi (42 BAR)

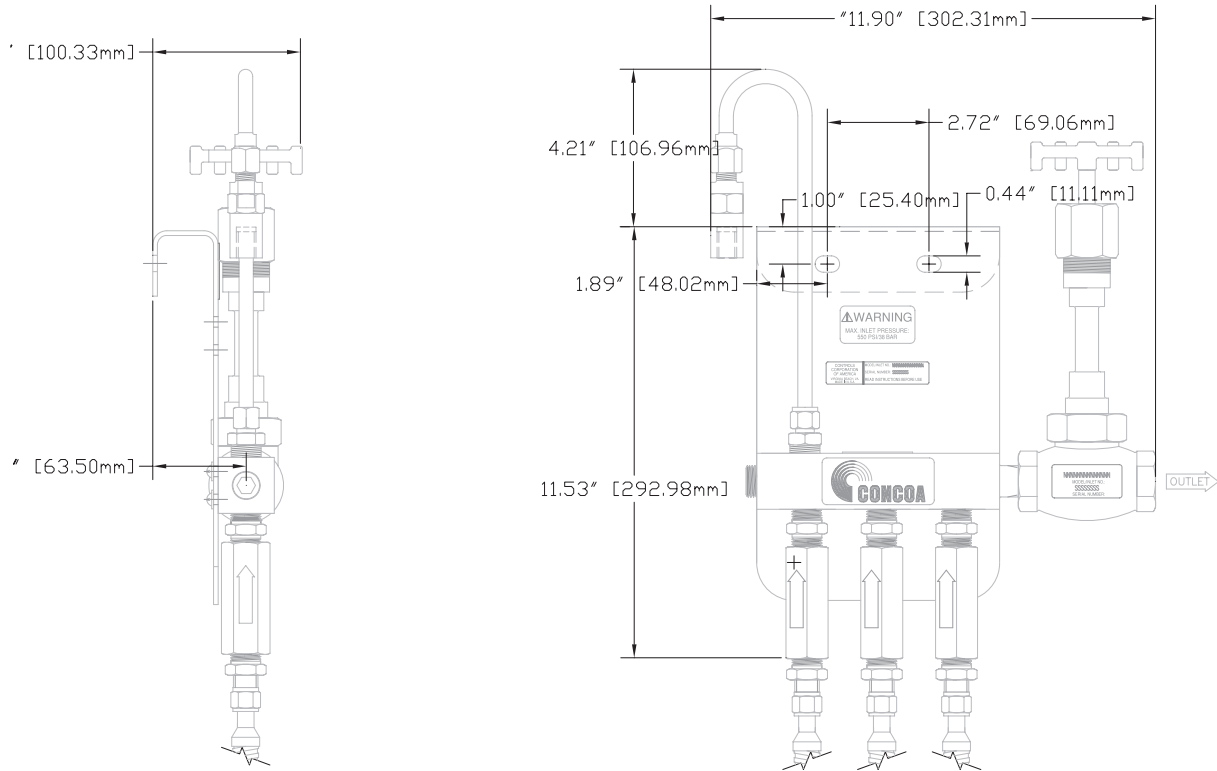
Temperature Range
-320 F to 165 F

Inlet Connections
CGA 295
CGA 440

Outlet Connections
½" F-NPT

Weight (Manifold & bracket)
14.5 lbs. (6.58kg.)

Installation Dimensions



Ordering Information

630	A	B	C	D	-E	-F	G
Series	Manifold Type	Arrangement	Pigtail Style	Number of Stations	Mounting Style	CGA	Options
630	1: Liquid Manifold	0: Simplex RH 1: Simplex LH 2: Duplex RH & LH	1: 48" Stainless Steel CGA 295 2: 48" Stainless Steel CGA 440 4: 72" Stainless Steel CGA 295 5: 72" Stainless Steel CGA 440	1: One 2: Two 3: Three 4: Four 5: Five 6: Six 7: Seven	01: Wall Mounting Bracket 02: Tank Mount Bracket	001	P: Pipe Away Option

Related Options

Option	Stock No.	Description
Cryogenic Liquid Hoses	See page 53	Liquid Transfer Hoses
Inert Brass Adapter	550-0760	1/2" M-NPT and CGA 295, Brass
Oxygen Brass Adapter	835-0046	1/2" M-NPT and CGA 440, Brass
Brass nipple	830-6475	1/2" M-NPT by 1" Nipple, Brass
Cryogenic Check Valve	835-0034	1/2" F-NPT, Brass