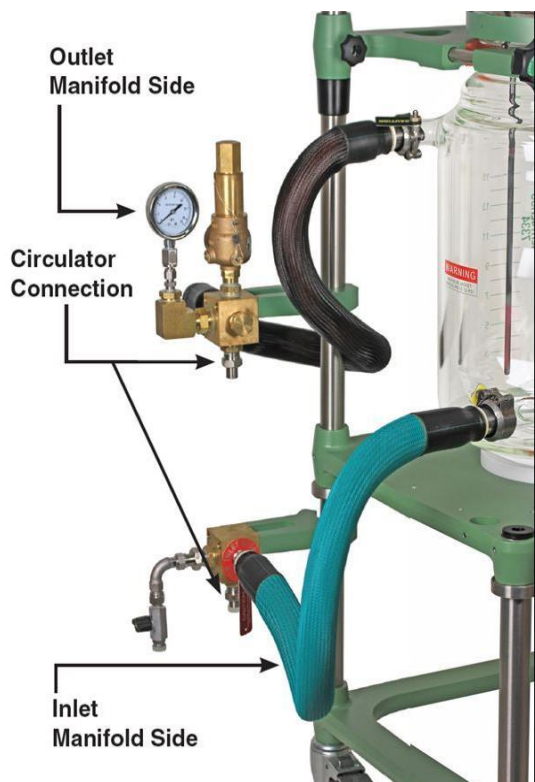


SETUP INSTRUCTIONS

High Flow Manifold System for Process Reactor, 10L thru 50L CG-1969-M-01 to CG-1969-M-06

Manifold contains: Inlet and Outlet, 3ft. and 4ft. Triple Insulated Hoses, Two 3/4in. Male NPT plugs, and a Tube of Thread Sealant



3/4" ID Triple Insulated Flexible Hose has a Welded-on S.S. Beaded Pipe Fitting for Connection to Reactor *Inlet/Outlet. ***GREEN Hose must be used on INLET ONLY.** Hoses use CG-1968-66, 1" BP Coupling (Sold Separately). Opposite End has 3/4" Male NPT for Connection to Manifold Block.

Outlet Manifold.

Has a Pressure Gauge and Pressure Relief Valve. Outlet Clamp Attaches to Support Frame. Use one of the 3/4" Open Female NPT ports for Connection of the 3ft. or 4ft. Supplied (Standard) Hose. Opposite side of block must have supplied 3/4" plug installed. Beaded Pipe end of Hose is Attached to Reactor Outlet using a 1 in. Beaded Pipe Coupling (CG-1968-66, Sold Separately). *Circulator Hose (Sold Separately) is Connected to M16 or M30 Male fitting on Bottom – Hand Tighten plus 1/4 Turn with Wrench.*

Inlet Manifold.

Clamp Attaches to Support Frame. Use one of the 3/4" Open Female NPT ports for Connection of the 3ft. or 4ft. (GREEN) Supplied Restrictor Hose. Opposite side of block must have supplied 3/4" plug installed. Beaded Pipe end of Hose is Attached to Reactor Inlet using a 1 in. Beaded Pipe Coupling (CG-1968-66, Sold Separately). *Circulator Hose (Sold Separately) is Connected to M16 or M30 Male fitting on Bottom – Hand Tighten plus 1/4 Turn with Wrench.*

• **NOTES:**

- Supplied Thread Sealant Must be Used when Attaching Hoses and Plugs to Manifold Block.
- Supplied Thread Sealant is NOT USED on M16 or M30 Threads.
- Outlet Gauge can be rotated.
- Ensure Beaded Pipe Couplings used to Attach Hoses to Reactor are tightened to proper torque specifications.



Pressure Gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with wrench.

WARNING:

It is recommended that you test pressure relief valves **at least once every six months**, especially to reduce leakage caused by the buildup of minerals and corrosion. Scheduling pressure relief valve testing every six months enables you to troubleshoot any concerns and remedy them promptly before any issues arise.

TEMPERATURE LIMITATIONS ON MANIFOLD = -60 TO 200°C
MAX JACKET PRESSURE = 12 PSI
MAX Δ T = 60°C

***Green Inlet Hose is Restricted to 5/8 in. inside diameter (for INLET ONLY)**