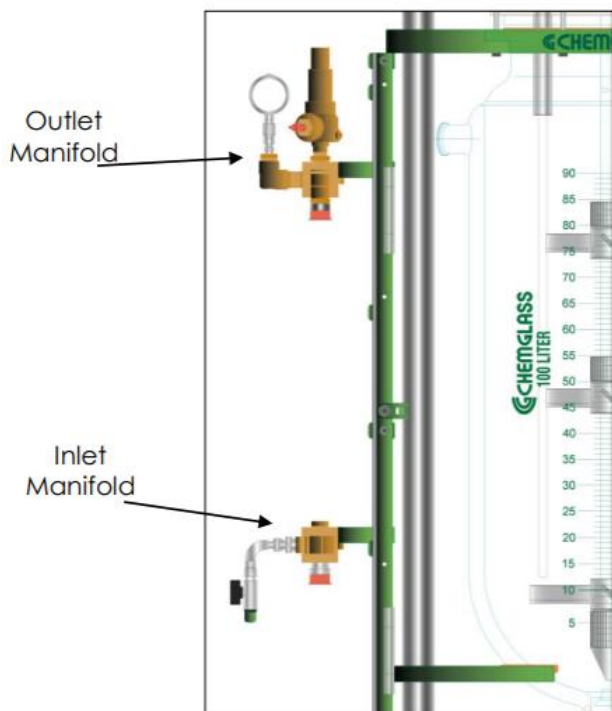


SETUP INSTRUCTIONS

High Flow Manifold System for Process Reactor, 50L (400mm Flange) CG-1969-M-08

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



Outlet Manifold.

Has a Pressure Gauge and Pressure Relief Valve. Outlet Clamp Attaches to Support Frame. Use one of the Open Female NPT ports for Connection of either 3ft. or 4ft. Supplied 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 1/2 in. Beaded Pipe Coupling (CG-1968-69, Sold Separately). Circulator Hose (Sold Separately) is Connected to M30 Male fitting on Bottom – Hand Tighten plus 1/4 Turn with Wrench.

Inlet Manifold.

Clamp Attaches to Support Frame. Use one of the Open Female NPT ports for Connection of either 3ft. or 4ft. Supplied 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 1/2 in. Beaded Pipe Coupling (CG-1968-69, Sold Separately). Circulator Hose (Sold Separately) is Connected to M30 Male fitting on Bottom – Hand Tighten plus 1/4 Turn with Wrench.



3/4" ID Triple Insulated Flexible Hose has a Welded-on S.S. Beaded Pipe Fitting for Connection to Reactor Inlet/Outlet. Uses CG-1968-69, 1 1/2" BP Coupling (Sold Separately). Opposite End has 3/4" Male NPT for Connection to Manifold Block.

• NOTES:

- Supplied Thread Sealant Must be Used when Attaching Hoses and Plugs to Manifold Block.
- Supplied Thread Sealant is NOT USED on 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 before any issues arise.

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