Alternative Setup: Combination

Outlet Close-up

Inlet Close-up

Inlet Manifold with 2" Pressure Gauge:

1. Attach the supplied 3ft Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Inlet Manifold to left or right S.S. upright.
3. 30 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
4. Attach the hose to the reactor inlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
5. Attach circulator hose (sold separately) to bottom of inlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.

Outlet Manifold with 2" Pressure Gauge & Pressure Relief Valve:

1. Attach the supplied 4ft long Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Outlet Manifold to left or right S.S. upright.
3. Pressure valve may need to be positioned so that the 3/8" OD overflow hose barb is pointing back. This may require breaking the seal on the thread.
4. 15 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
5. Attach the hose to the reactor outlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
6. Attach circulator hose (sold separately) to bottom of outlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.

General Specifications:

- Temperature limitations on manifolds are -60 to 200°C.
- Cracking Pressure On Relief Valve is 10 ± 1 PSI (12 Gallon/min)
- Thermocouple on Outlet Manifold is not rated for XP Environments

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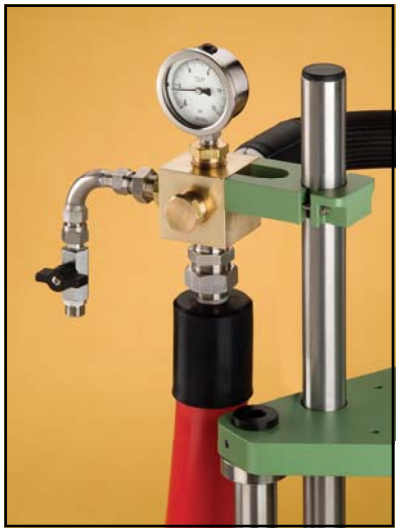
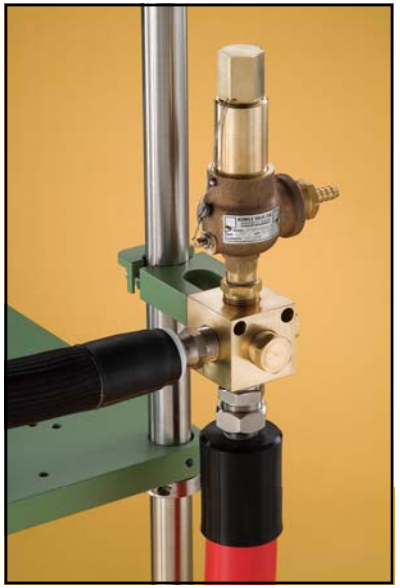
SETUP INSTRUCTIONS

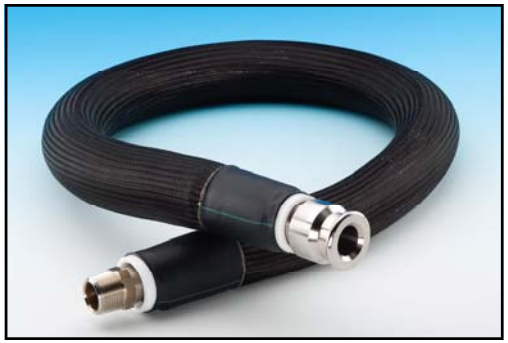
High Flow Manifold System For Process Reactors 10L Thru 50L CG-1969-M-01 thru M-07



Inlet Manifold

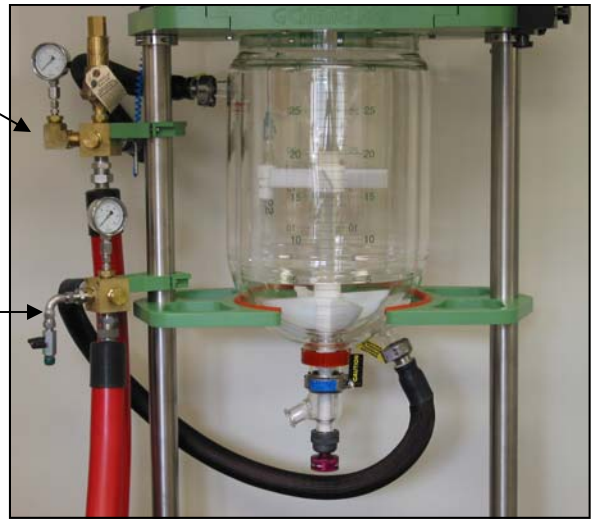


Outlet Manifold



Triple Insulated Flexible Hose

Standard Setup: Left Handed

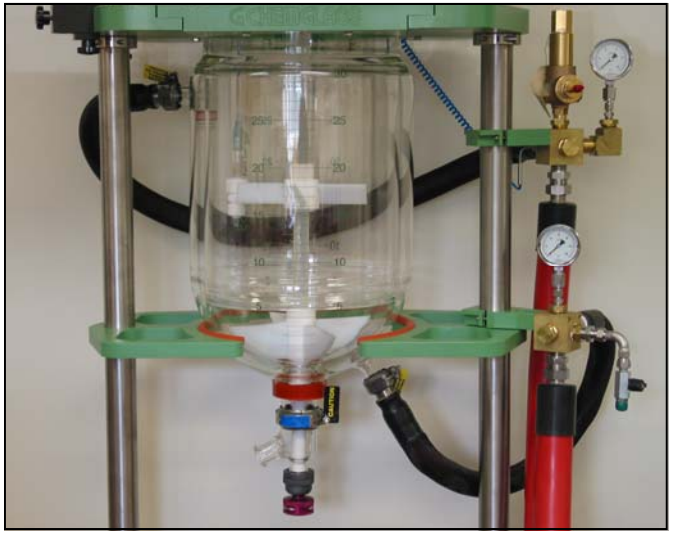


This Is Our Standard Manifold Setup. All NPT Threads Are Sealed With Supplied Thread Sealant. The Hose Port And Plug Opposite Hose Port Are Not Assembled, And Will Need To Be Sealed Prior To Use. If An Alternative Setup Is Needed, These Parts Will Need To Be Moved. The pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench. PLEASE NOTE: THREAD SEALANT IS NOT TO BE USED ON M16 OR M30 THREADS.

Inlet Manifold with 2" Pressure Gauge:
1. Attach the supplied 3ft Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Inlet Manifold to left S.S. upright.
3. 30 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
4. Attach the hose to the reactor inlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
5. Attach circulator hose (sold separately) to bottom of inlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.

Outlet Manifold with 2" Pressure Gauge & Pressure Relief Valve:
1. Attach the supplied 4ft long Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Outlet Manifold to left S.S. upright.
3. Pressure valve may need to be positioned so that the 3/8" OD overflow hose barb is pointing back. This may require breaking the seal on the thread.
4. 15 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
5. Attach the hose to the reactor outlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
6. Attach circulator hose (sold separately) to bottom of outlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.

Alternative Setup: Right Handed



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

**** PLEASE NOTE: THERMOCOUPLE ON OUTLET MANIFOLD IS NOT RATED FOR XP ENVIRONMENTS ****

Inlet Manifold with 2" Pressure Gauge:
1. Attach the supplied 3ft Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Inlet Manifold to right S.S. upright.
3. 30 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
4. Attach the hose to the reactor inlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
5. Attach circulator hose (sold separately) to bottom of inlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.

Outlet Manifold with 2" Pressure Gauge & Pressure Relief Valve:
1. Attach the supplied 4ft long Triple Insulated Flexible Hose to back port of manifold block and attach plug to front port of manifold block. All NPT threads must be sealed with supplied thread sealant.
2. Mount Outlet Manifold to right S.S. upright.
3. Pressure valve may need to be positioned so that the 3/8" OD overflow hose barb is pointing back. This may require breaking the seal on the thread.
4. 15 PSI pressure gauge can be easily rotated to face forward by loosening the swivel locking nut. Be sure to re-tighten with a wrench.
5. Attach the hose to the reactor outlet using a Beaded Pipe Coupling (sold separately). Tighten coupling to proper torque setting.
6. Attach circulator hose (sold separately) to bottom of outlet manifold block via the M16 or M30 thread. Hand tighten plus 1/4 turn with wrench.