



Installation Instructions for the AG-108 Dual Jacket Fitting Kit

! Please read the instructions thoroughly before starting your installation. !

The enclosed AG-108 3/8" Dual Jacket Fitting Kit allows convenient connection of two AG-J Heat Exchange Jackets in parallel with a single AGT Recirculator. Low pressure operation is achieved with the 3/8" size reducing power consumption and wear of the pump and motor. A single set of stainless-steel flex hoses delivers and returns the recirculating medium to the jackets. At the cabinet, the flow is distributed in parallel to the jackets using tee fittings attached with, convenient, quick disconnect fittings for each jacket.

Parts List

Check the fitting kit against the parts list below to verify the correct number of fittings are present.

- | | |
|--|-----------------------------------|
| (1) 108" SST Flex Lines, Tube Ends | (1) 84" SST Flex Lines, Tube Ends |
| (4) 60" SST Flex Lines, Male NPT X Tube Ends | (4) Bulkhead Support Washers |
| (2) 17" SST Flex Line, Tube Ends | (4) Quick Connect Fittings |
| (2) Male Bulkhead Connector Fittings | |
| (4) Male Elbow Fittings | |

Tools Required

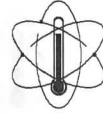
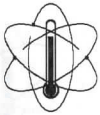
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|---|----------------------------------|
| • Wrenches: Size 5/8", 11/16", 3/4", 13/16", 7/8" | • Teflon tape |
| • Center Punch | • 37/64" Drill and/or hole punch |
| • Tape measure | |

Cabinet Preparation

- Determine where the fittings are to be located. The fitting kit supplied will work best with the quick connect fittings located between the jackets on the back of the cabinet wall.
- Mark the location for the punch-through and center punch the mark.
- Drill and/or hole punch the bulkhead fitting feed-through. Allow a minimum of 2" between the centerline of the holes for the tee fittings to be oriented in the vertical position.

Bulkhead Fitting Assembly Preparation

- Prepare the female tee fitting before screwing it onto the bulkhead fitting.
- First screw the male elbow fittings into the tee with the pipe end oriented away from the center tee port using the 11/16" and 13/16" wrenches.
- Then screw the quick disconnect plugs onto the elbow fitting using the 11/16" and 7/8" wrenches.
- While holding onto the tee fitting assembly, screw the bulkhead fitting onto the tee fitting assembly using the 3/4" wrench.
- Slide the bulkhead fitting through a washer and then the cabinet hole. Slip the second washer onto the bulkhead fitting and tighten the bulkhead down with the nut. Make sure to use the supplied washers for adding support to the bulkhead fitting assembly.



Jacket Preparation

- Screw the 60" flex hose into the quick disconnect coupler using the 11/16" and 7/8" wrenches.
- Insert the tube end of the 60" flex hose into the jacket elbow fittings and tighten using the 11/16" wrench.
- Insert the 17" flex hose into the fittings on the lower backside of the jacket and tighten using two wrenches.
- When the installation is complete, attach the flex hoses from the jackets to the tee fittings.
- **Important:** One tee fitting serves as the supply manifold while the other tee fitting is the return manifold. Connect one flex line of each jacket to the supply tee manifold and connect the remaining flex line of each jacket to the return manifold.

Recirculator Preparation

- Insert the tube ends of the long flex lines into the recirculator manifold and bulkhead fittings and tighten using the 5/8" and 11/16" wrenches. It may prove easier to pre-swage the flex hose on the bulkhead fitting before installing the bulkhead fitting.

Operation

- See the attached schematic to ensure your installation is correctly assembled.
- Reference the AGT Recirculator manual for proper installation and operation of the recirculator.

