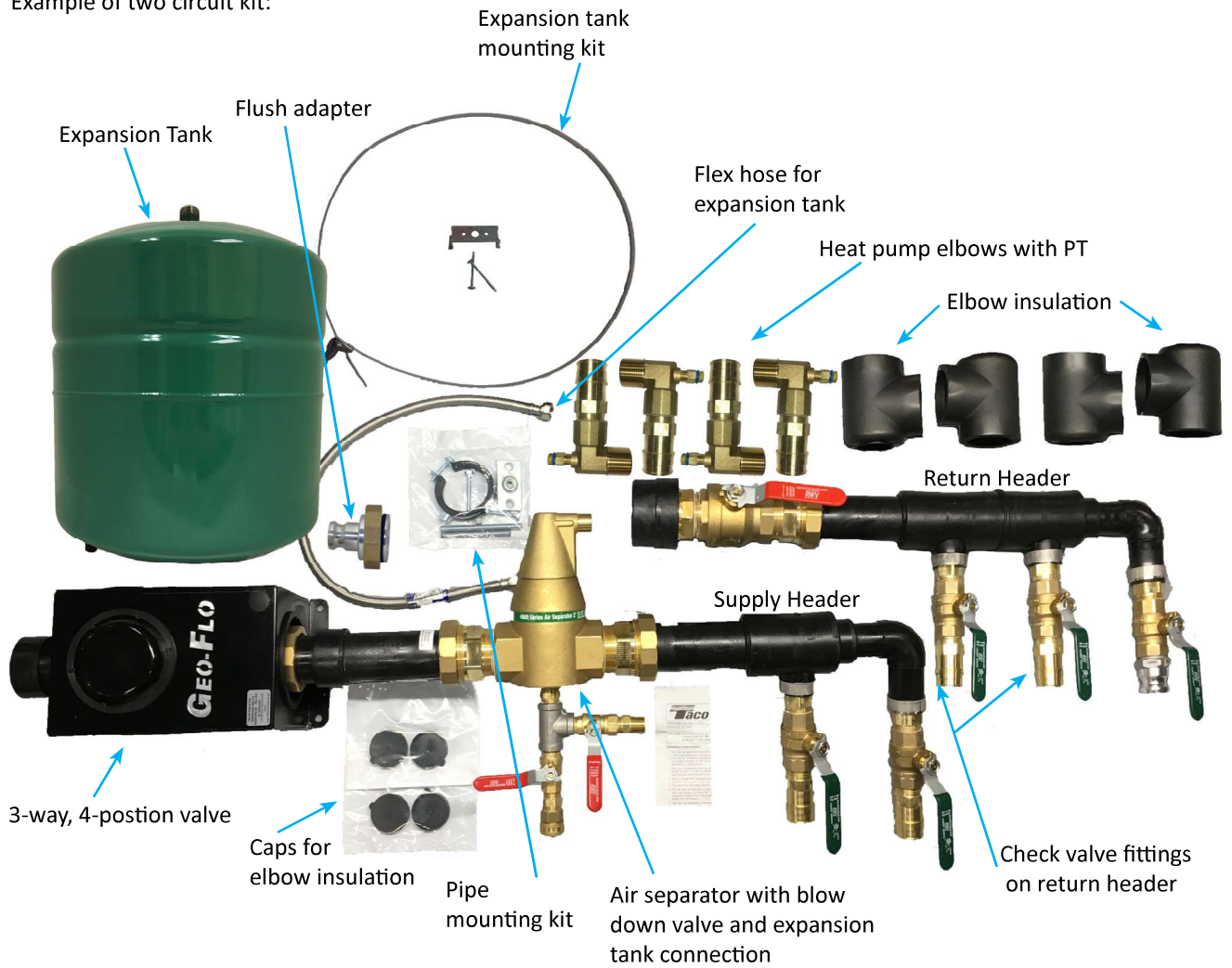


Example of two circuit kit:



Installation

1. Attach the 2" valve to a stable structure such as a wall or mounting stand. The 2" socket fitting in the valve can be removed for fusion, if necessary, then pushed back into the valve.



2. Attach the air separator and supply header. Use supplied pipe mounting kit to secure the return header.

NOTE: The air separator must be installed horizontally to function properly.



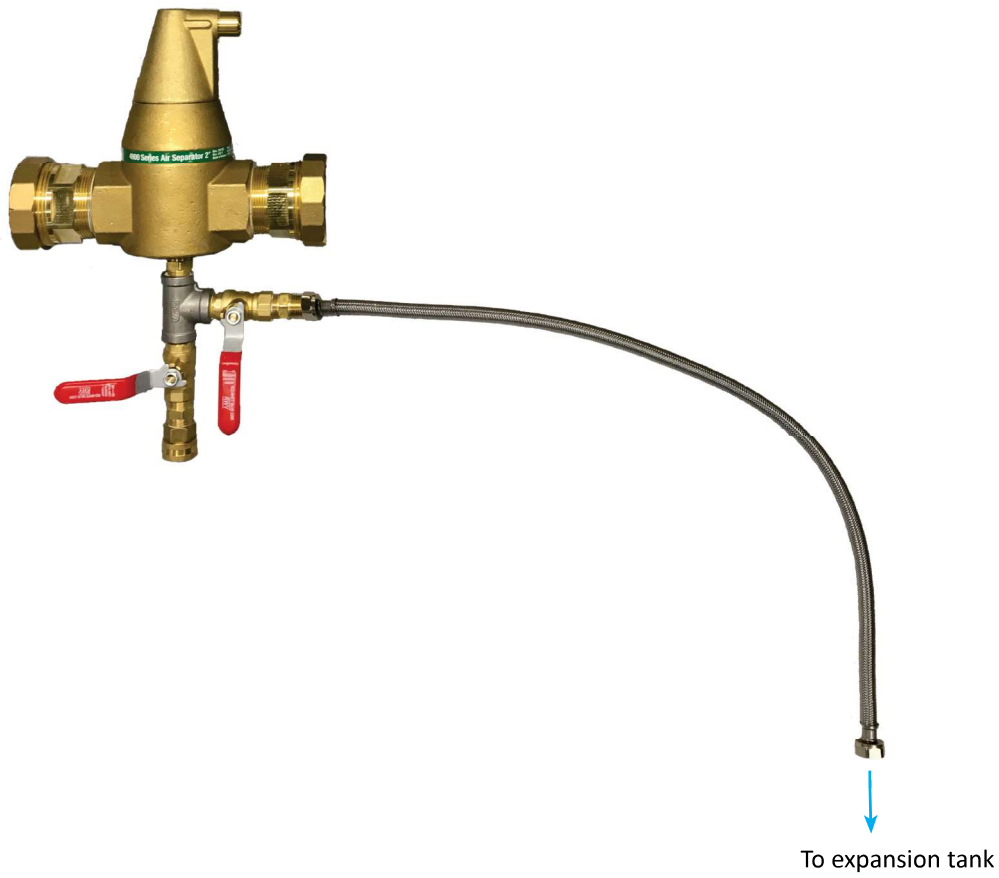
* Reverse return piping is typical to balance head loss through the header. However, direct return may be used in some circumstances.

NOTE: Labeling each circuit with the heat pump it serves will aid in flushing/purging and future service work.

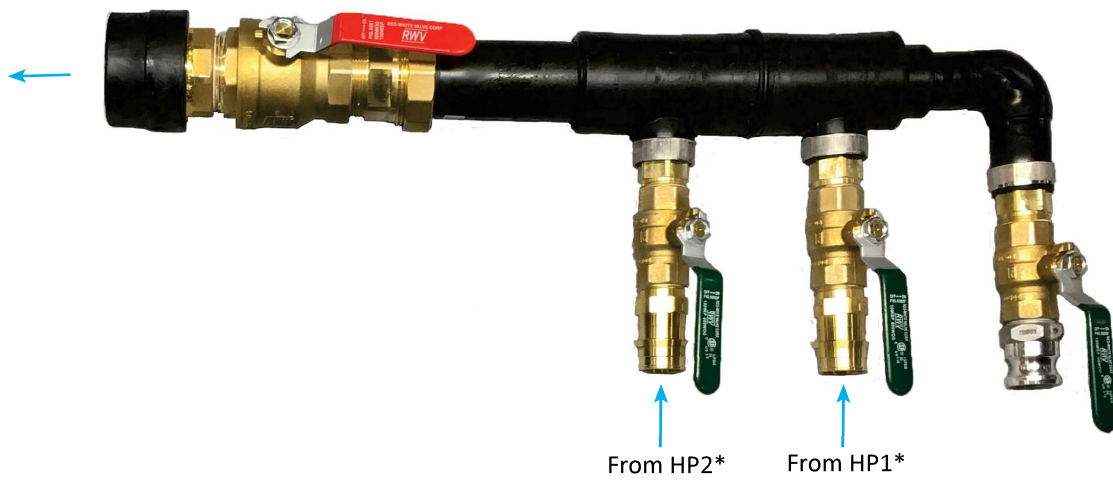
3. Attach expansion tank to the wall using the included expansion tank mounting kit. It must be mounted close enough to the air separator for the flex hose to reach. (hose length 30")



4. Use flexible stainless steel hose to connect expansion tank to air separator.



5. Fuse the return header to the return piping and secure.



* Reverse return piping is typical to balance head loss through the header. However, direct return may be used in some circumstances.

6. Plumb each circuit on the header to the appropriate heat pump using the included fittings, and field supplied piping (for example, 1-1/4" HDPE, 1-1/2" PEX). If reinforced rubber hose is used, provide an adequate bend radius to prevent kinking the hose.

7. Insulate all pipe, fittings, valves, and air separator if condensation formation is a concern. Insulation elbow boots are provided with the heat pump elbows. These should be glued closed for best performance. Alternatively, the boots can be closed and secured with tape ensuring there is enough squeeze to prevent moist air infiltration. The caps should be pressed into the end providing an airtight seal while retaining easy access to the PT plugs for temperature and/or pressure measurement.

