

Figure 5 - Expansion Tank Application

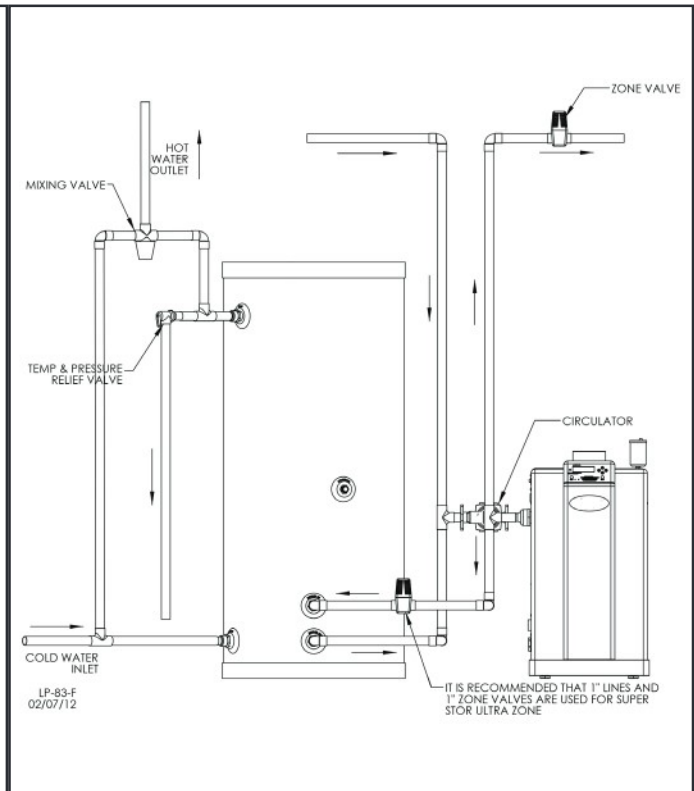


Figure 6 - Installation with High Efficiency Boiler

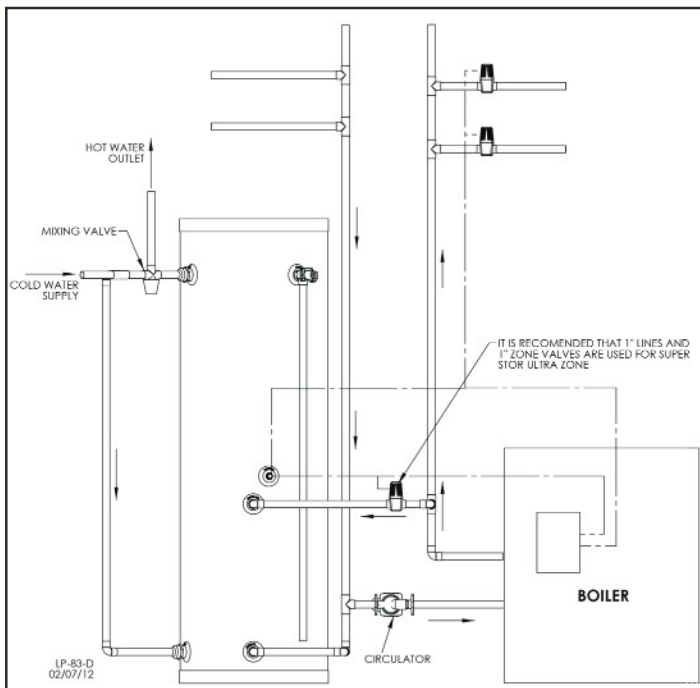


Figure 7 - Zoning with Zone Valves

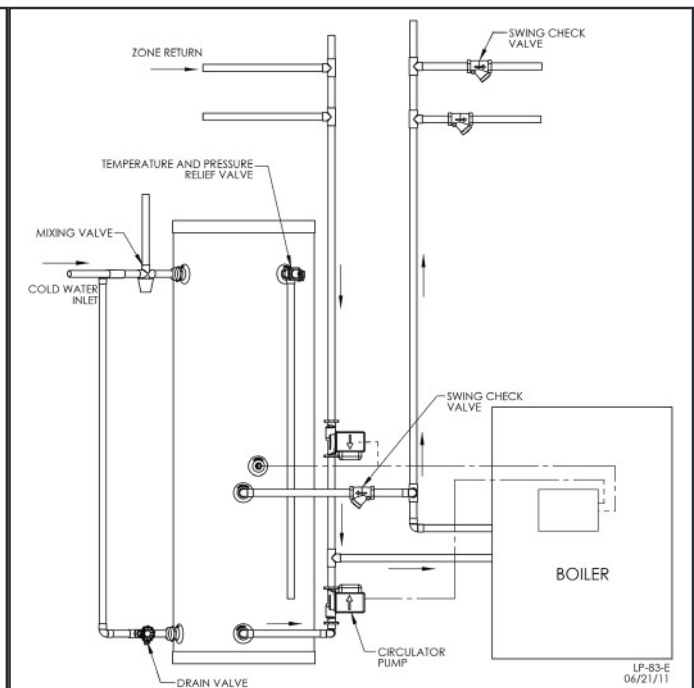


Figure 8 - Zoning with Circulators

NOTES:

1. Minimum pipe size should match connection size. Upsize pipe accordingly if greater flow is required.
2. A thermal expansion tank suitable for potable water must be sized and installed within this piping system between the backflow preventer and the cold water inlet.
3. All circulators should have an integral flow check.
4. Drains and check valve between unit and storage tank will assist in purging air from system.
5. This drawing is meant to demonstrate system piping only. The installer is responsible for all equipment and detailing required by local codes. In Massachusetts, you must install a vacuum relief valve per 248 CMR.
6. Mixing valve application is optional, but recommended to help prevent scalding. See Part 3, Section E for more information.

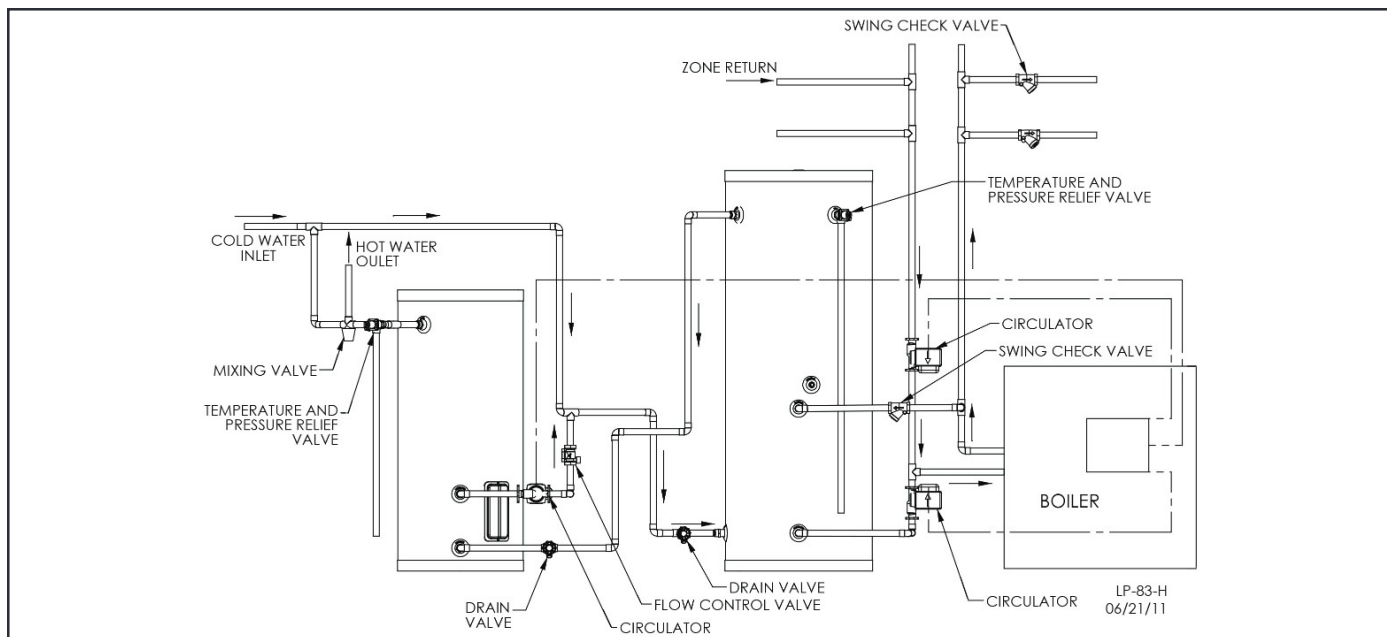


Figure 9 - Installation with Storage Tank

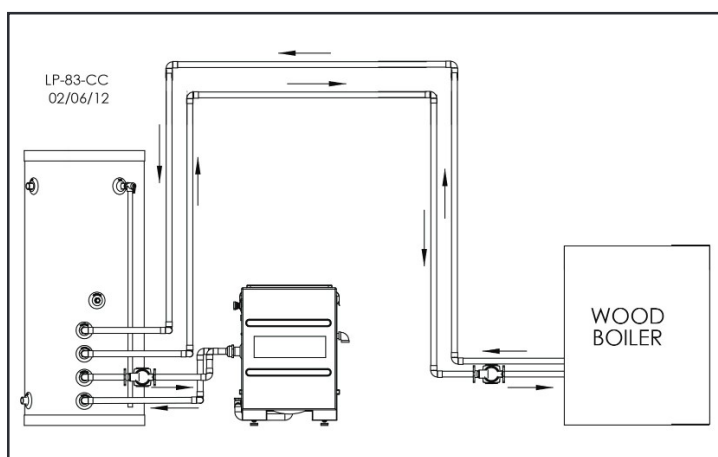


Figure 10 - Dual Purpose Application with Wood Boiler

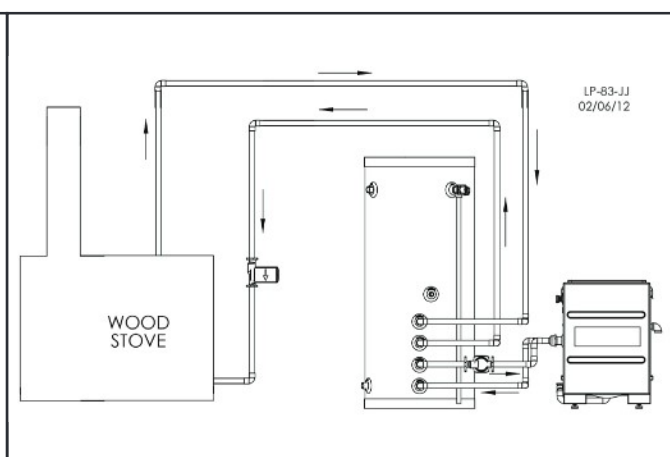


Figure 11 - Dual Purpose Application with Wood Stove

NOTES:

1. Minimum pipe size should match connection size. Upsize pipe accordingly if greater flow is required.
2. A thermal expansion tank suitable for potable water must be sized and installed within this piping system between the backflow preventer and the cold water inlet.
3. All circulators should have an integral flow check.
4. Drains and check valve between unit and storage tank will assist in purging air from system.
5. This drawing is meant to demonstrate system piping only. The installer is responsible for all equipment and detailing required by local codes. In Massachusetts, you must install a vacuum relief valve per 248 CMR.
6. Mixing valve application is optional, but recommended to help prevent scalding. See Part 3, Section E for more information.

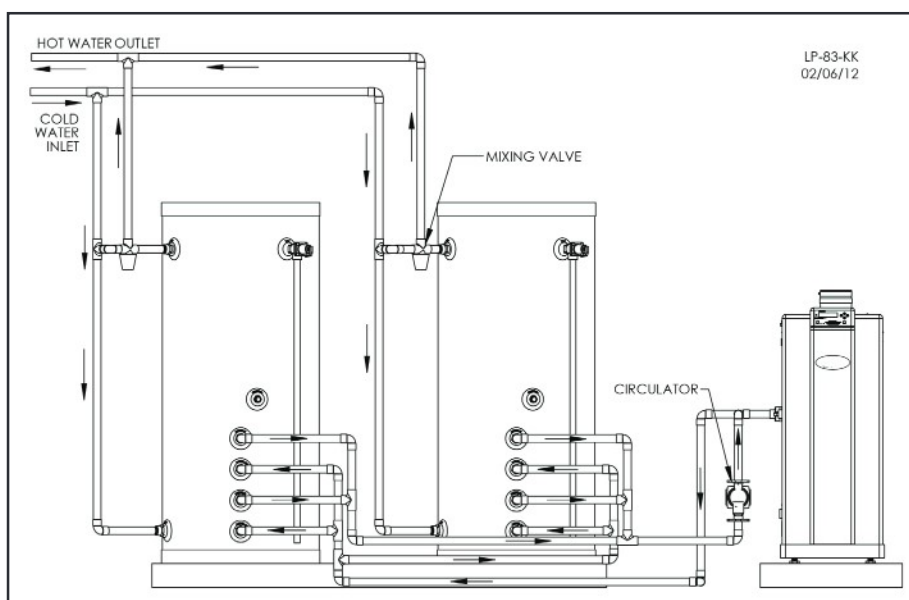


Figure 12 - Dual Purpose Application with Two Water Heaters

NOTES:

1. Minimum pipe size should match connection size. Upsize pipe accordingly if greater flow is required.
2. A thermal expansion tank suitable for potable water must be sized and installed within this piping system between the backflow preventer and the cold water inlet.
3. All circulators should have an integral flow check.
4. Drains and check valve between unit and storage tank will assist in purging air from system.
5. This drawing is meant to demonstrate system piping only. The installer is responsible for all equipment and detailing required by local codes. In Massachusetts, you must install a vacuum relief valve per 248 CMR.
6. Mixing valve application is optional, but recommended to help prevent scalding. See Part 3, Section E for more information.
7. On multiple source applications, use a Honeywell L4081-A-1148, which has two (2) limit settings. This allows the wood stove or solar panel to operate on the tank high setting and the tank low limit setting for conventional boiler back-up.

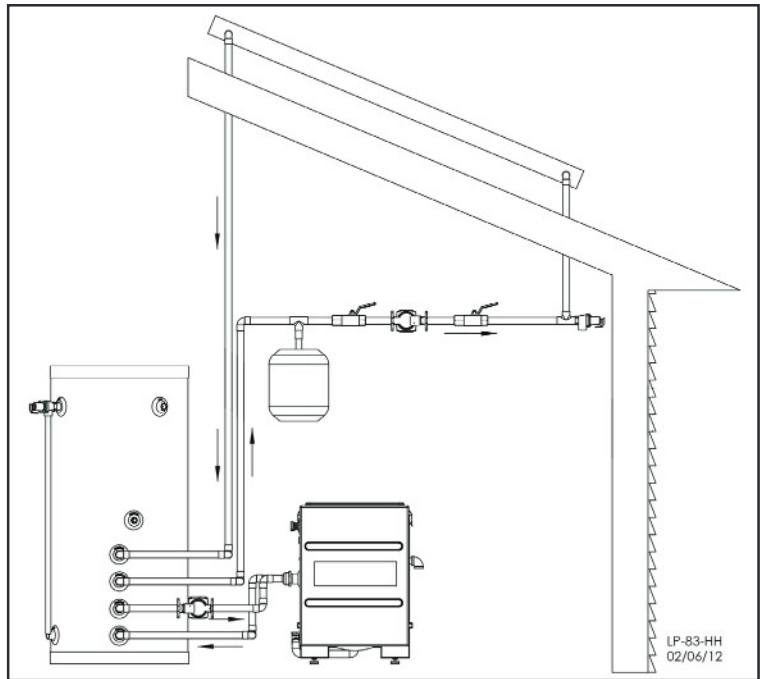


Figure 13 - Dual Purpose Application with Solar Panel

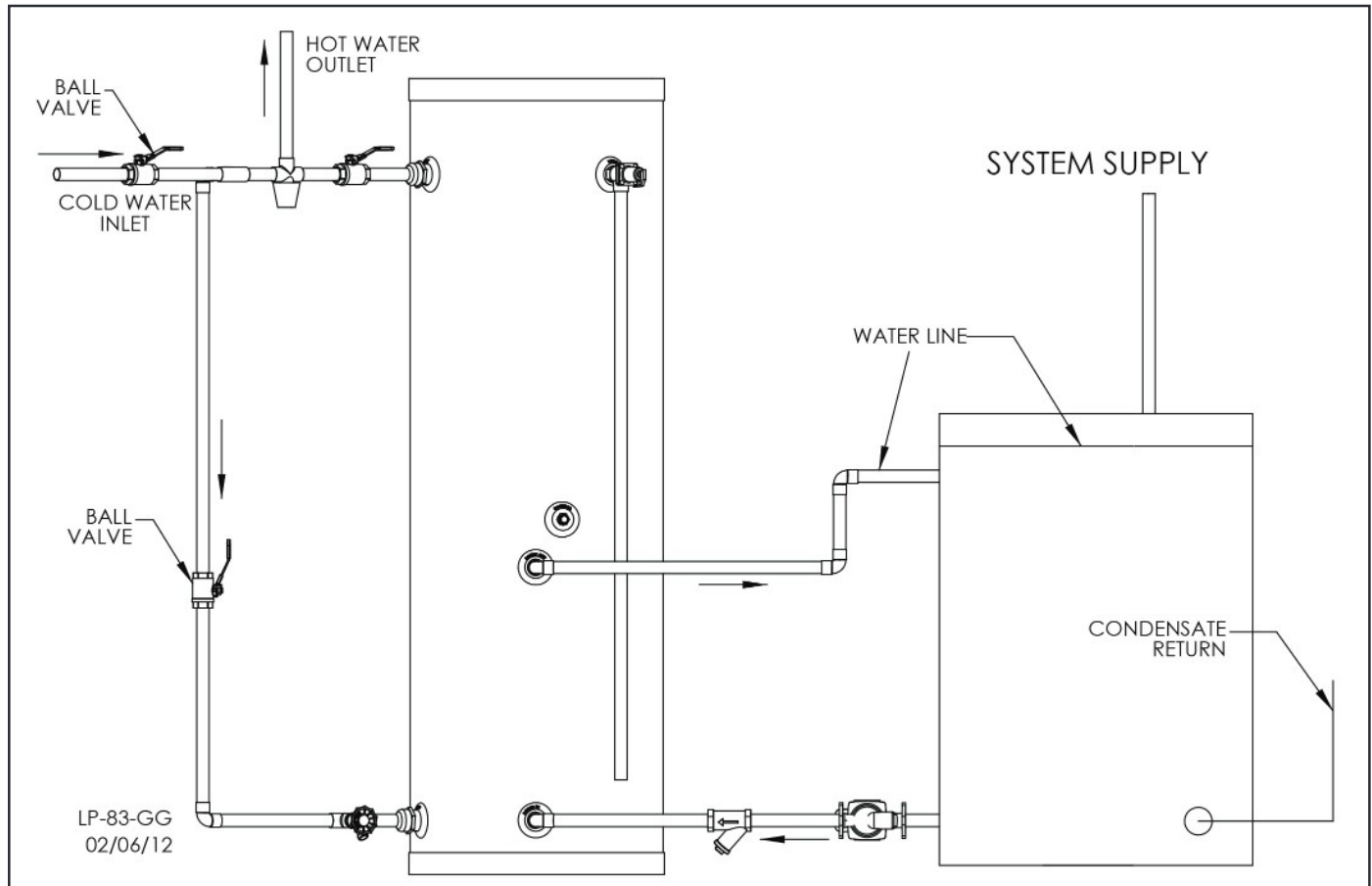


Figure 14 - Steam Boiler

NOTE: On Steam Boiler Applications, the indirect heat exchanger supply and return connections must be below the water line from the boiler connection. The internal flow check or spring check must be used to avoid thermal siphoning from the connected boiler. A basket strainer should also be used to avoid sludge and sediment getting into the pump or heat exchanger.

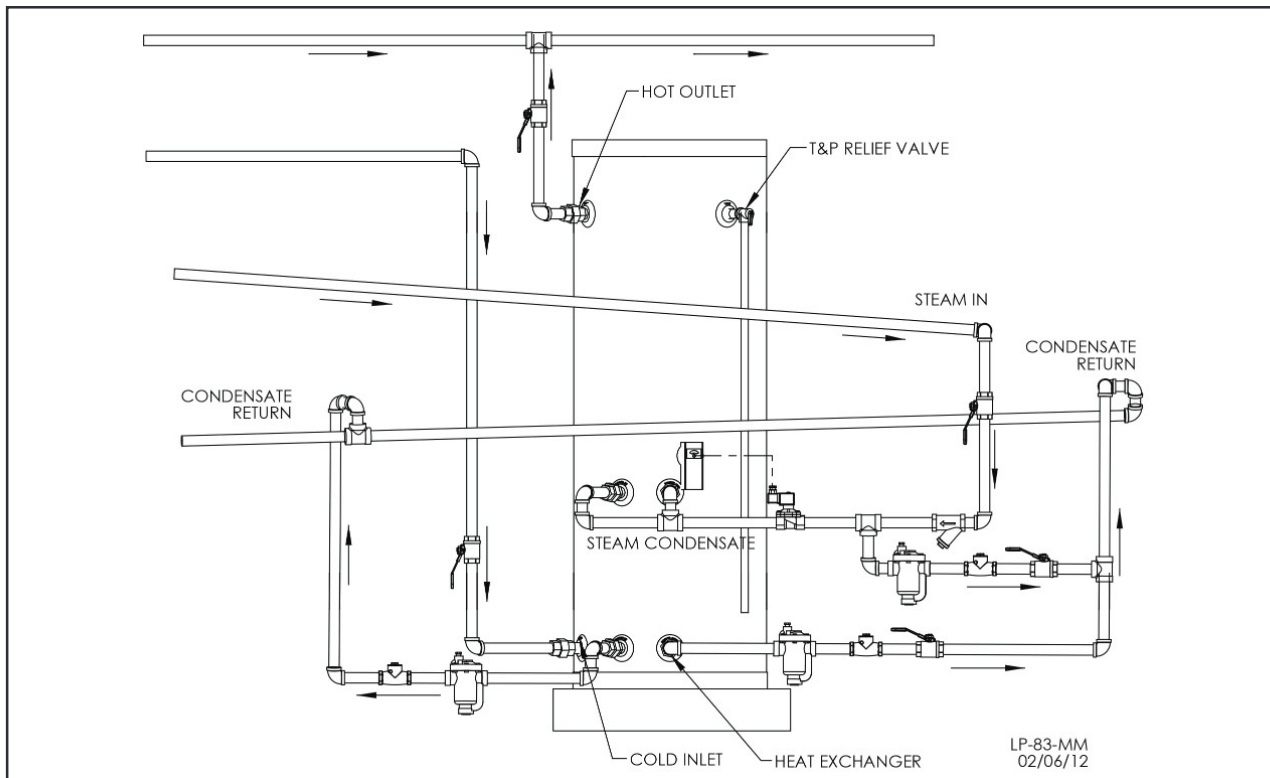


Figure 15 - Live Steam Installation

NOTE: Live Steam Applications are allowed on 80 and 119 gallon SSU / SSU-C models.

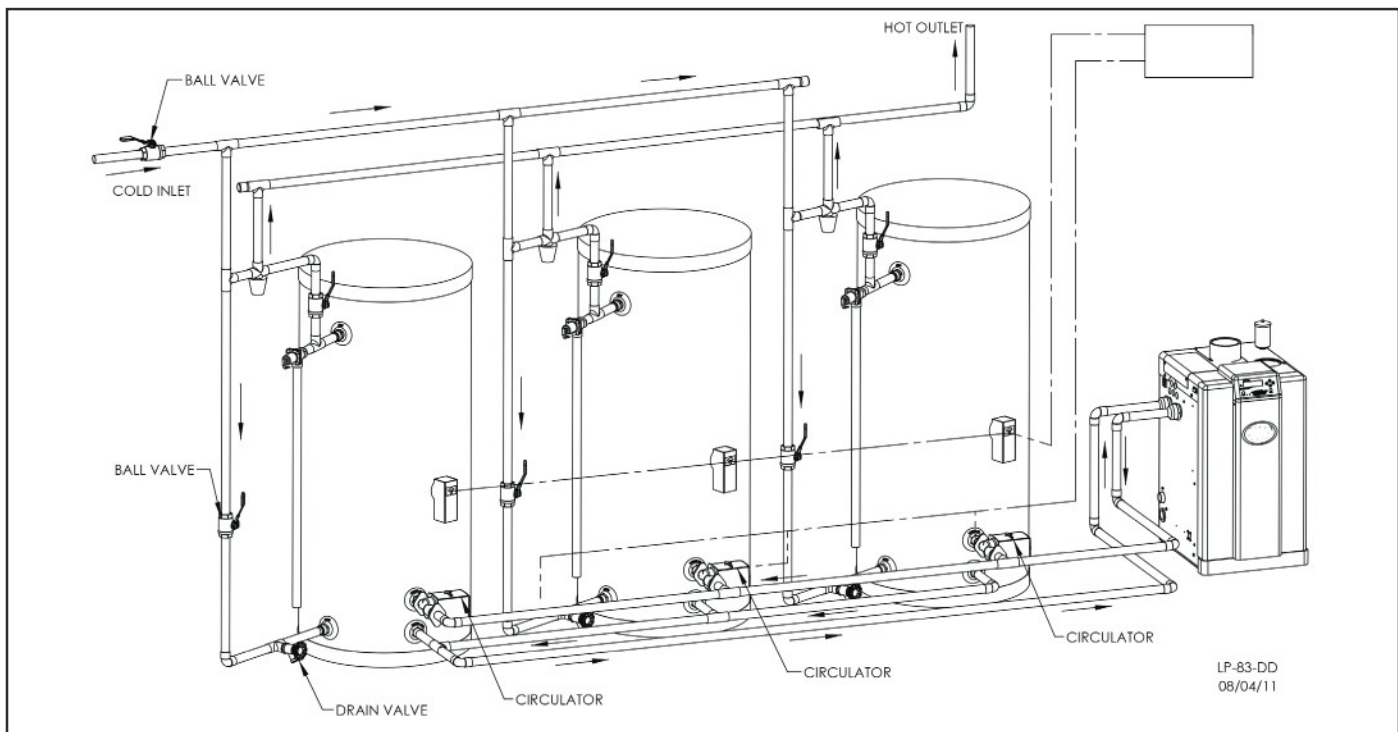


Figure 16 - Multiple Tank Installation

NOTES:

1. Minimum pipe size should match connection size. Upsize pipe accordingly if greater flow is required.
2. A thermal expansion tank suitable for potable water must be sized and installed within this piping system between the backflow preventer and the cold water inlet.
3. All circulators should have an integral flow check.
4. Drains and check valve between unit and storage tank will assist in purging air from system.
5. This drawing is meant to demonstrate system piping only. The installer is responsible for all equipment and detailing required by local codes. In Massachusetts, you must install a vacuum relief valve per 248 CMR.
6. Mixing valve application is optional, but recommended to help prevent scalding. See Part 3, Section E for more information.
7. All piping in parallel used for large dumps of hot water, high usage, and short duration.
8. Massachusetts requires a limit of four (4) tanks per mechanical room. Consult with your local inspector.