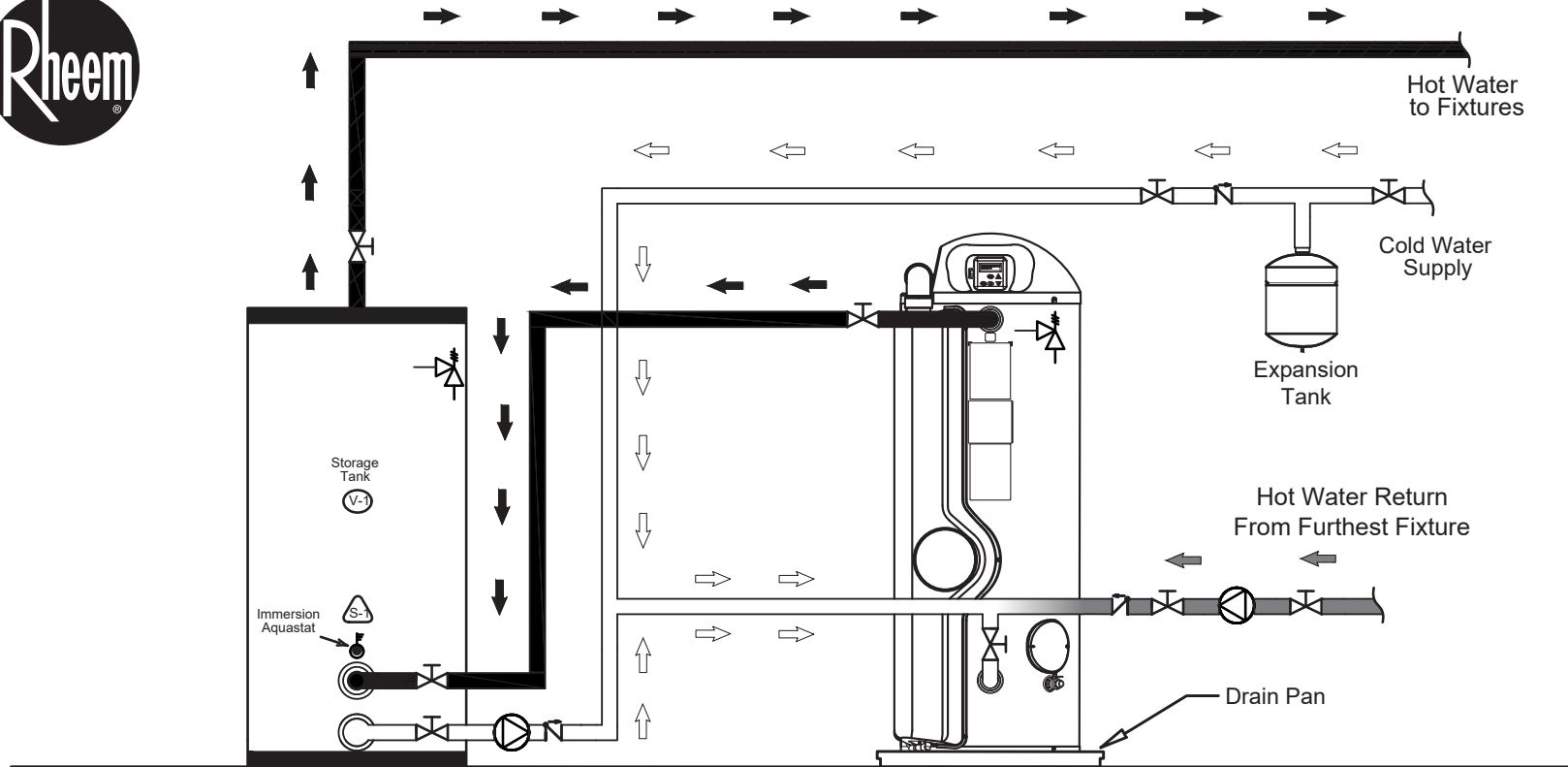


# One Unit Tank & One Storage Tank Installation- Single Temperature SPIDERfire



## Written System Description

### **One Unit Tank with One Storage Tank Installation:**

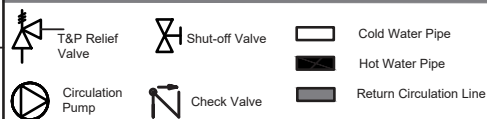
One SPIDERfire tank water heater shall be installed and vented to the outside per the manufacture instructions. The tank unit shall be plumbed in conjunction with a commercial rated storage tank(s). Hot water will feed the top inlet (at the base) of the storage tank. The hot water will then be plumbed out of the top of the storage tank to all the fixtures. A circulation loop from the water heater to the storage tank will be controlled by an Immersion Aquastat and a circulation pump. The tank shall supply a single temperature setting of water for kitchen or appliance use. Plumbing, pipe size, valves, all to be determined by mechanical engineers or the installing contractor.

**NOTICE:** This drawing is intended as a guide only. It is not to be used as an alternative to a professionally engineered project drawing. This drawing does not imply compliance with local building codes. Installation may vary, depending on installation location, and must be done in accordance with all local building codes. Consult with local building officials prior to installation.

## System Components

- |                       |   |
|-----------------------|---|
| (1) GHE Water Heaters | (2) T&P Relief Valves   |
| (1) Storage Tank      |   |
| (8) Shut-Off Valves   | V-1 Storage Tank sized to meet the dump load requirements of the application. |
| (2) Check Valves      |   |
| (1) Expansion Tank    | S-1 Immersion Aquastat - Set 5 to 10°F below the Tank temperature setting.    |
| (2) Circulation Pumps |   |

## Legend



Drawing: GHE\_PD\_1Unit\_1Tank  
Updated: 03/2017