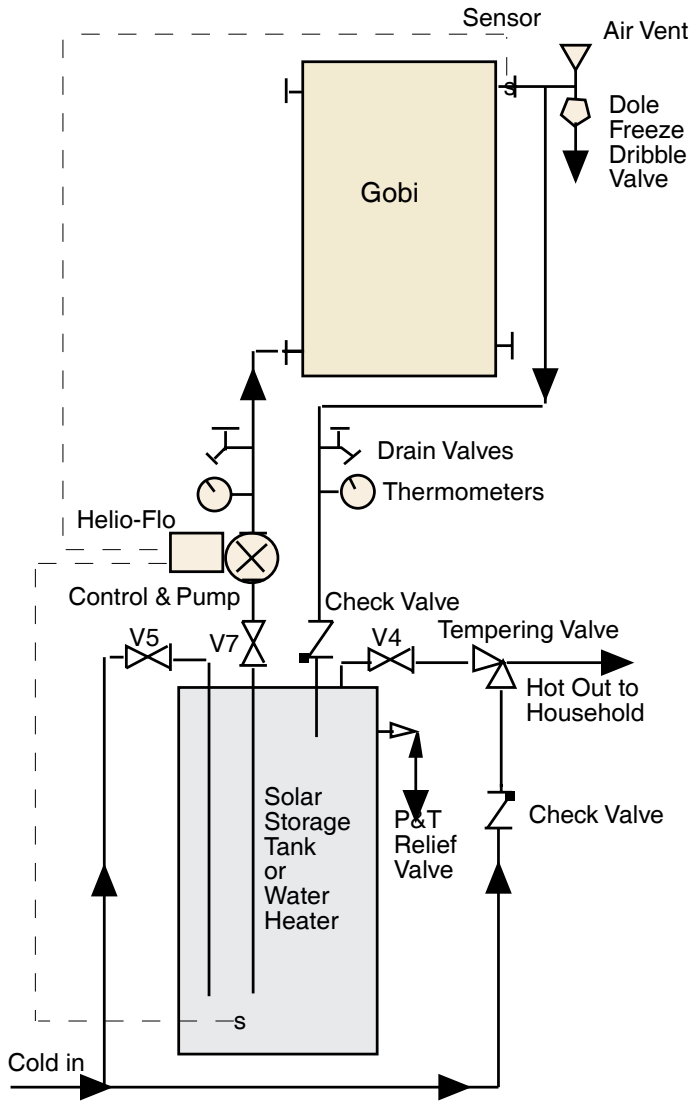
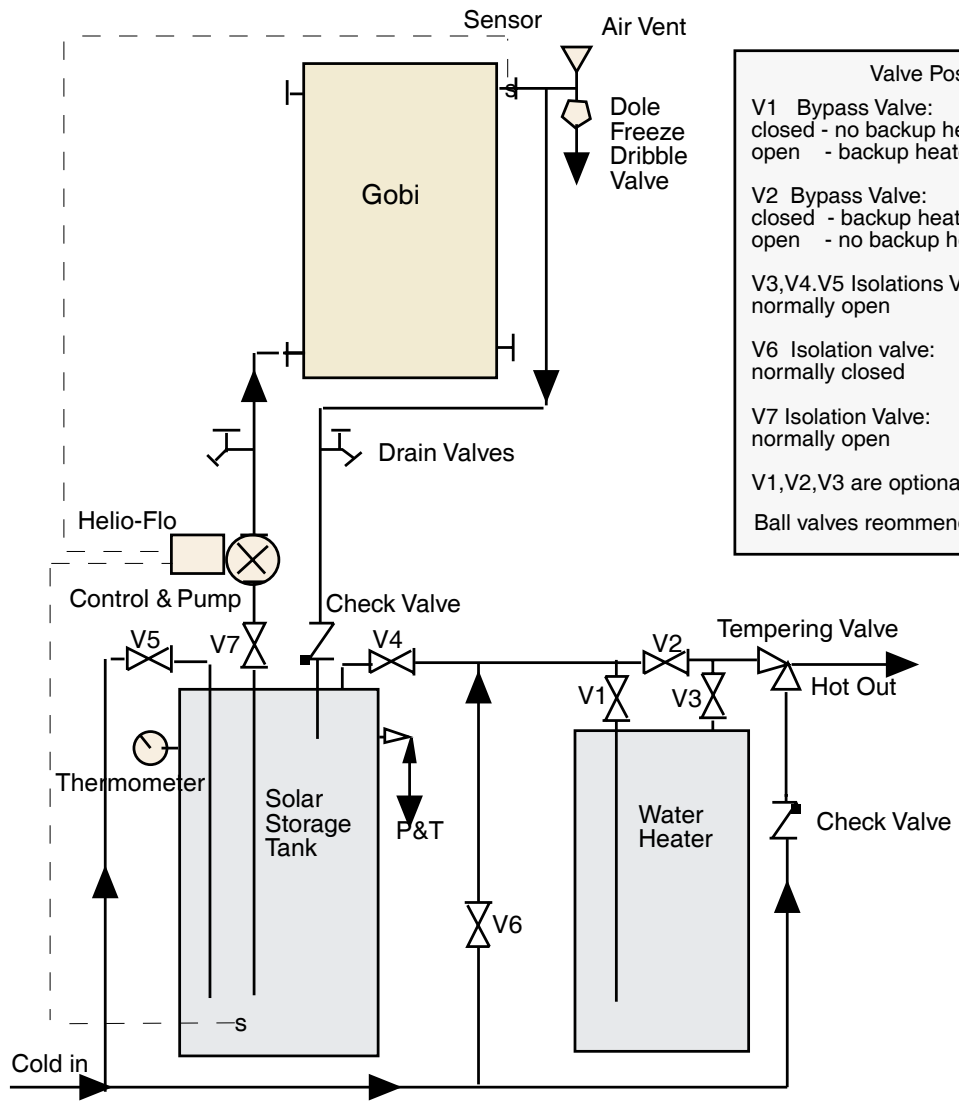


Helio-Flo Solar Water Heaters - Direct Water Circulation

Plumbing Schematics



Single Tank System



- Valve Positions**
- V1 Bypass Valve:
closed - no backup heater
open - backup heater
 - V2 Bypass Valve:
closed - backup heater
open - no backup heater
 - V3,V4,V5 Isolations Valves:
normally open
 - V6 Isolation valve:
normally closed
 - V7 Isolation Valve:
normally open
- V1,V2,V3 are optional
Ball valves reommended.

Two Tank System with Separate Backup