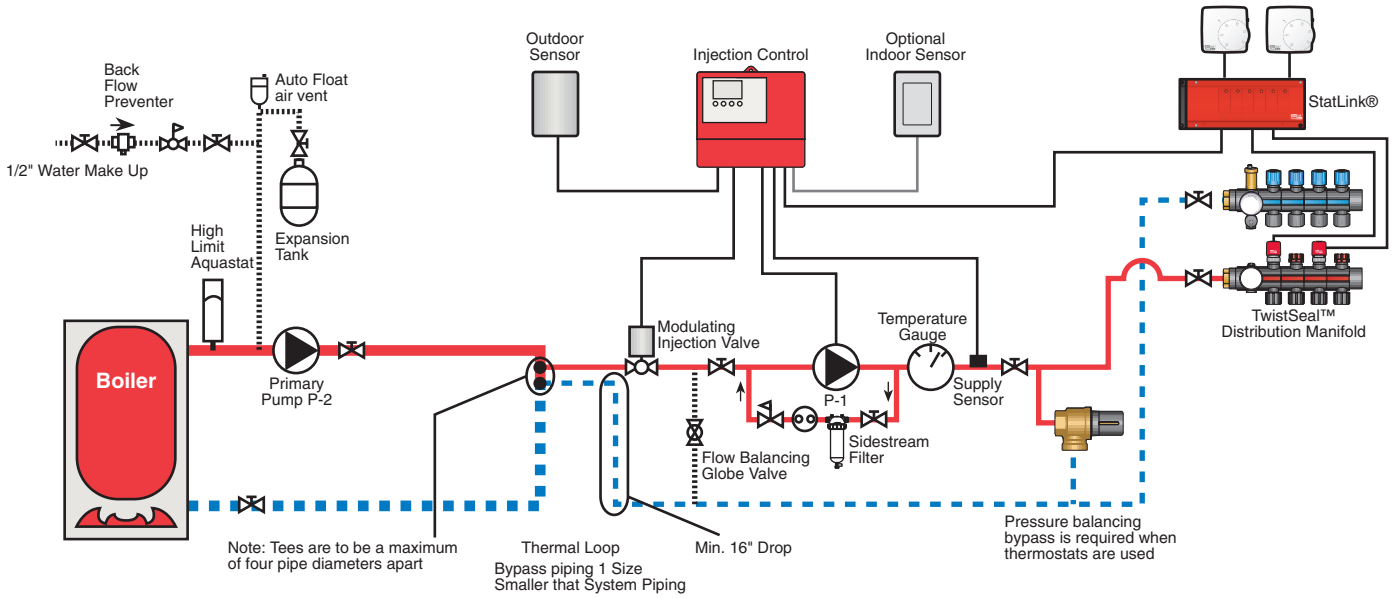
www.heatlinkgroup.com

1 Circuit (Automatic Modulating Injection Ctrl of Fl. Ht.)

July 17, 2008 - **TECH 6.4**

Application: **Electronic Injection**

Small Heat Source or Domestic Hot Water Heater (where approved) and 1 circuit
(one low temp. injection circuit - automatic tempering/modulating of the water temperature for floor heating)



Note:

- Air vents, expansion tanks, pressure relief valves etc. For boiler as per local codes.
- Drawings are for HeatLink® suggested system layout only. User must determine if system layout will work for their particular application!
- Use isolation ball valves for all circuits and components.
- Thermal loop offset must be 16" drop minimum.
- Injection branch from primary loop to be a minimum 6" drop.
- Balancing valve should be a globe valve.

Control Sequence:

- Indoor/outdoor injection control unit provides the correct water temperature for the HeatLink® radiant floor system. By correlating outside air temperature, supply water temp. & room temperature the control unit then operates the injection valve & actuator which in turn modulates the supply water temperature to the floor. For electrical rough in instructions use either ELECT 1.4 (for Standard 3 Wire) or ELECT 1.8 (for StatLink Wiring). (Note: when using ELECT 1.8 instructions, ignore 4-way mixing valve requirements).
- Temperature balancing bypass to be adjusted as per manufacturer's instructions.
- System pump (P-1) to be activated by the indoor/outdoor injection control. Primary pump (P-2) to be opened by the internal boiler relay. Allow for a separate disconnect switches.