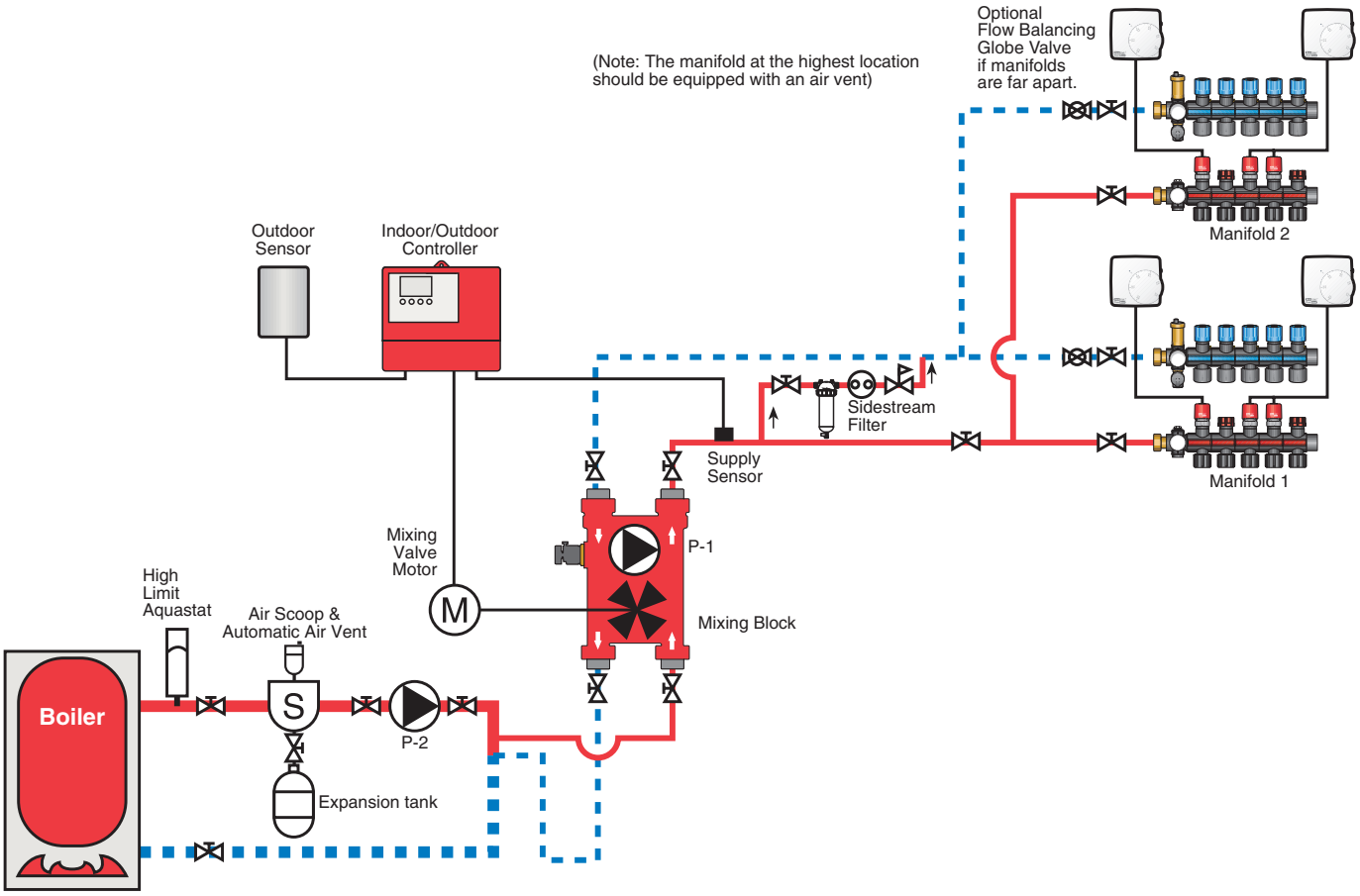
Application: **4-Way Mixing**

Cast iron high mass boiler c/w multiple low temperature circuits
(Commercial application for multiple low temp. circuits - fully automatic modulating water temp. 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.

Control Sequence:

- Indoor/outdoor 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 activates the 4-way mixing valve motor which in turn modulates the supply water temperature to the floor. Zone thermostats wired in series through their respective zone valves and motors to provide secondary zone control. Primary control is provided by the indoor/outdoor control unit.
  (See ELECT 1.2) (For rough-in wiring instructions using StatLink® controls see ELECT 1.8)
- Boiler to fire either: 1) Independently on its own operating controls or 2) By activation through a relay of the indoor/outdoor controls. APPLICATION TO USE OPTION (____).
- Primary pump (P-2) to be wired through a relay which will be activated by the indoor/outdoor control (see ELECT 5.6).
- Pumps (P-1, P-2) to be wired directly with their own disconnect switches. System pump P-1 to operate either: 1) Continually or 2) By activation through a relay of the indoor/outdoor controller (see ELECT 5.6)
  FOR THIS PARTICULAR APPLICATION P-1 TO OPERATE AS PER OPTION (_____).
- Optional piping bypass or a pressure activated bypass valve for P-1 is required if StatLink® controls or 3-way divertor valves are not used!