



Low Limit
 Non condensing boilers should have some form of return water control to prevent flue gas condensation.

Thermostat
 Freeze protection

See Note 1

See Note 2

Note 1
 For back up protection in the event of failure of one of the circulators or control valves, install manual balancing valves as shown. Supply and install control valves which can be manually operated if required.

Note 2
 Thermostatic controls, if piped in this configuration, require constant circulation across the sensor. Use motorized valves and electronic controls if its preferred to stop circulator

Single Boiler, Direct Return

Space Heating

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Radiant Based HVAC Systems

Two Way Injection Valve w/ Freeze Protection

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