






Piping Schematic for Multiple PRIMERA® Boilers - Primary-Secondary

	Circulator (confirm proper sizing)
	Full Port Isolation Ball Valve
	Swing Check Valve
	Union
	Pressure relief valve. Pipe to drain with no restrictions or valves.

Notes:

1. Piping shared by multiple PRIMERA boilers, must be sized for the total anticipated flow at a maximum of velocity recommended for the piping material used.
2. Pump sizing must be confirmed for the required boiler flow rate (gpm) against the head loss of the boiler and the boiler piping circuit to and from the building loop connection point.
3. Low temperature bypass from hot outlet of boiler to cold inlet is required if return water to the boiler is expected to drop below 130°F. A thermostatic mixing valve (part no.104348) is recommended if the bypass is installed. Pipe diameter of bypass is 2 inch.
4. A multiple boiler lead-lag control is recommended on all multiple boiler installations. If multiple boiler control is not used, operating probe from each boiler must be relocated to the indicated loop sensor location after initial boiler delta T and flow rate setup.
5. Refer to individual boiler installation manuals for more details.

