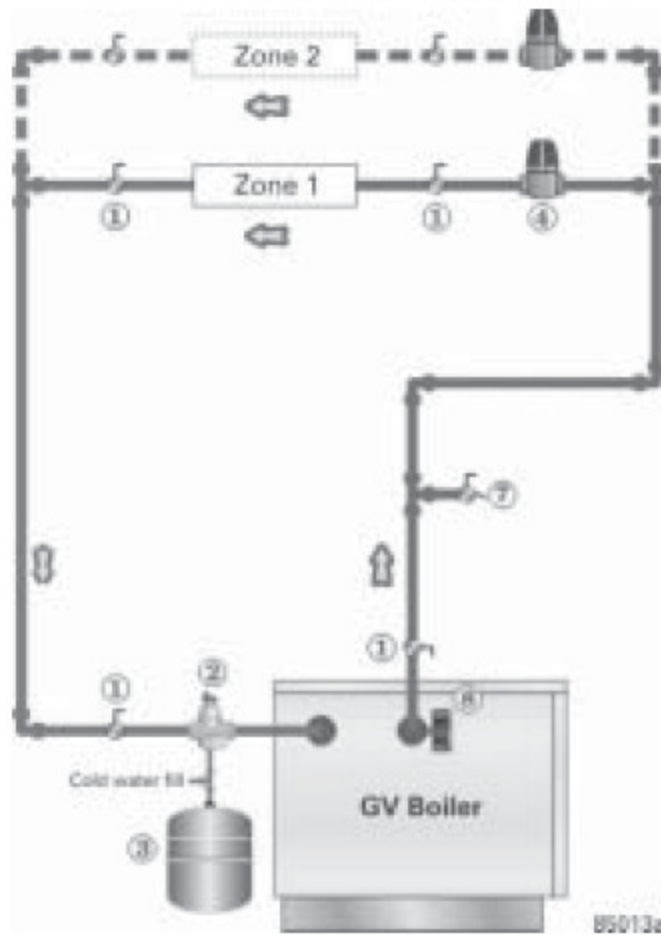


IIIe Water piping — baseboard system

Figure 11a Baseboard system (finned tube or cast iron) — zone valve zoning



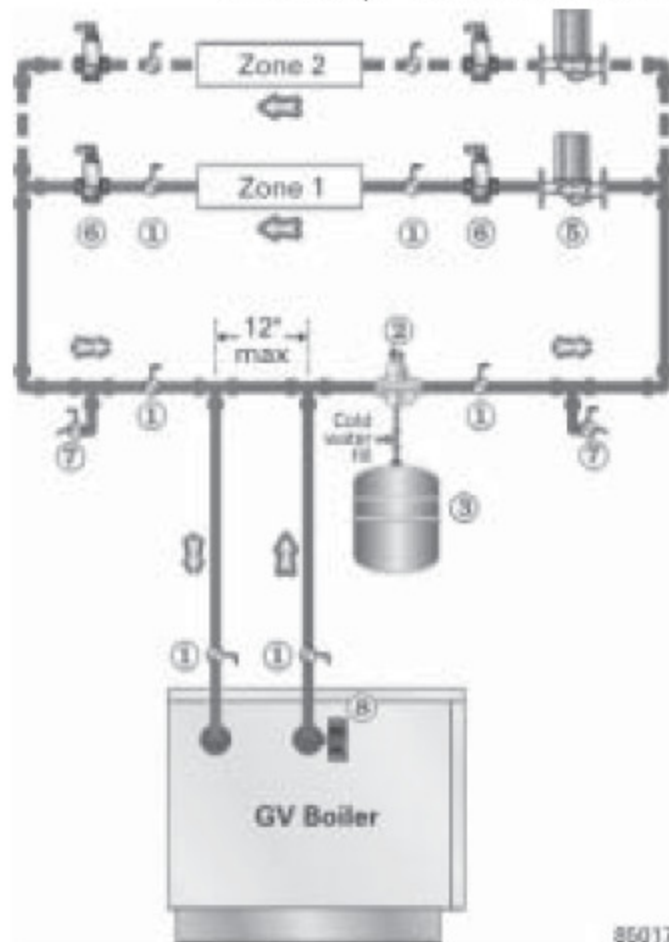
Baseboard system piping

Apply Figure 11a (zone-valve zoning) or 11b (circulator zoning) to systems using baseboard heaters. The heaters can be any baseboard style, including finned tube or cast iron.

The boiler internal “**System circulator**” can be used to circulate most zone-valve zoned systems as shown in Figure 11a. For systems requiring higher flow, apply the suggested piping of Figure 12a.

The boiler internal circulators must be left in the boiler. They cannot be removed for use as a zoning circulator. Provide a circulator for each zone when circulator zoning, and pipe the system as in Figure 11b.

Figure 11b Baseboard system (finned tube or cast iron) — circulator zoning



Legend

- 1 Isolation valves
- 2 Automatic air vent (with diaphragm-type expansion tank), or connect to tank fitting (closed-type expansion tank).
- 3 Diaphragm- or bladder-type expansion tank, if used. (For closed-type expansion tank, pipe from top of air separator to tank fitting as in Figure 10.)
- 4 Zone valve
- 5 Zone circulator
- 6 Flow/check valve
- 7 Hose bibb purge valve
- 8 Boiler pressure/temperature gauge