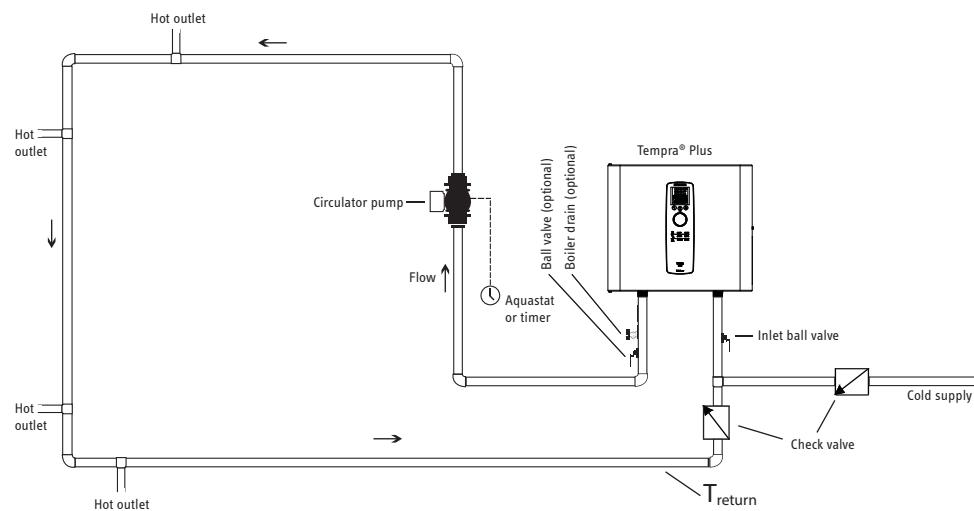


TECHNICAL SERVICE BULLETIN

TEMPRA® RECIRCULATION LOOP DIAGRAM

INSTALLATION METHOD WITHOUT MINI-TANK

A Tempra® can be plumbed directly into a recirculation loop, as illustrated below, provided that the flow rate of the loop is greater than the minimum activation flow rate of the Tempra®. To cut down on energy consumption, a temperature sensor can be installed in the location T_{return} , and cut power to the pump when the return of the loop is less than 5° - 10° below the Tempra's set point. A timer is sometimes used as well to disable the recirculation loop during times of low use, such as the middle of the night.



Model	Tempra® 12 223420	Tempra® 15 223421	Tempra® 20 223422	Tempra® 24 223424	Tempra® 29 232885	Tempra® 36 232886
Item Number	12 Plus 224196	15 Plus 224197	20 Plus 224198	24 Plus 224199	29 Plus 223245	36 Plus 223426
Min. water flow to activate unit	0.37 GPM / 1.4 l/min	0.50 GPM / 1.9 l/min	0.50 GPM / 1.9 l/min	0.50 GPM / 1.9 l/min	0.77 GPM / 2.9 l/min	0.77 GPM / 2.9 l/min