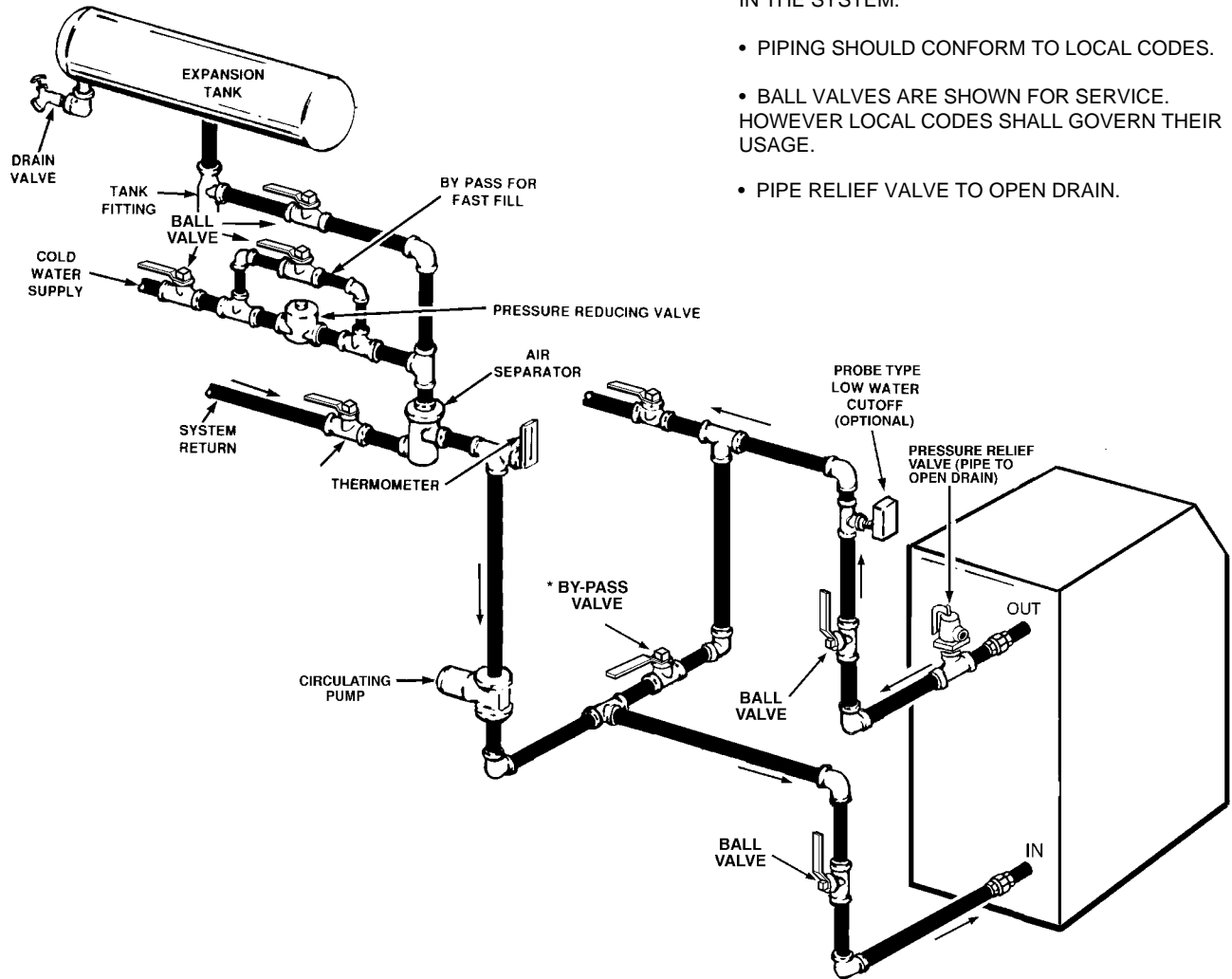


A.O. SMITH

APPLICATION TYPE DIAGRAM
SEE INSTALLATION MANUAL FOR
COMPLETE INSTRUCTIONS.

INSTALL IN ACCORDANCE WITH ALL LOCAL CODES.

TYPICAL PIPING FOR CONVENTIONAL SINGLE BOILER INSTALLATION LB-500, LB-750, LB-1000



- SAFETY RELIEF VALVE SETTING SHOULD NOT EXCEED PRESSURE RATING OF ANY COMPONENT IN THE SYSTEM.
- PIPING SHOULD CONFORM TO LOCAL CODES.
- BALL VALVES ARE SHOWN FOR SERVICE. HOWEVER LOCAL CODES SHALL GOVERN THEIR USAGE.
- PIPE RELIEF VALVE TO OPEN DRAIN.

System Notes:

- The System Pump must be sized to maintain the minimum recommended flow rate through the boiler. The pump must operate continuous or cycle with the boiler.
- The by-pass is required for systems designed to operate at flow rate higher than the maximum recommended flow rate of the boiler.
- This piping method is not recommended for systems designed to operate with return water temperatures less than 140°F. (See recommend piping method for Low Temperature Heating Systems.)

Model LB	Recommended Flow Rate @ 20° (F)Temp. Rise		Boiler Inlet & Outlet (inches)
	Flow (gpm)	Head Loss (feet)	
500	44	9.6	2"
750	66	10.0	2"
1000	88	8.6	2"

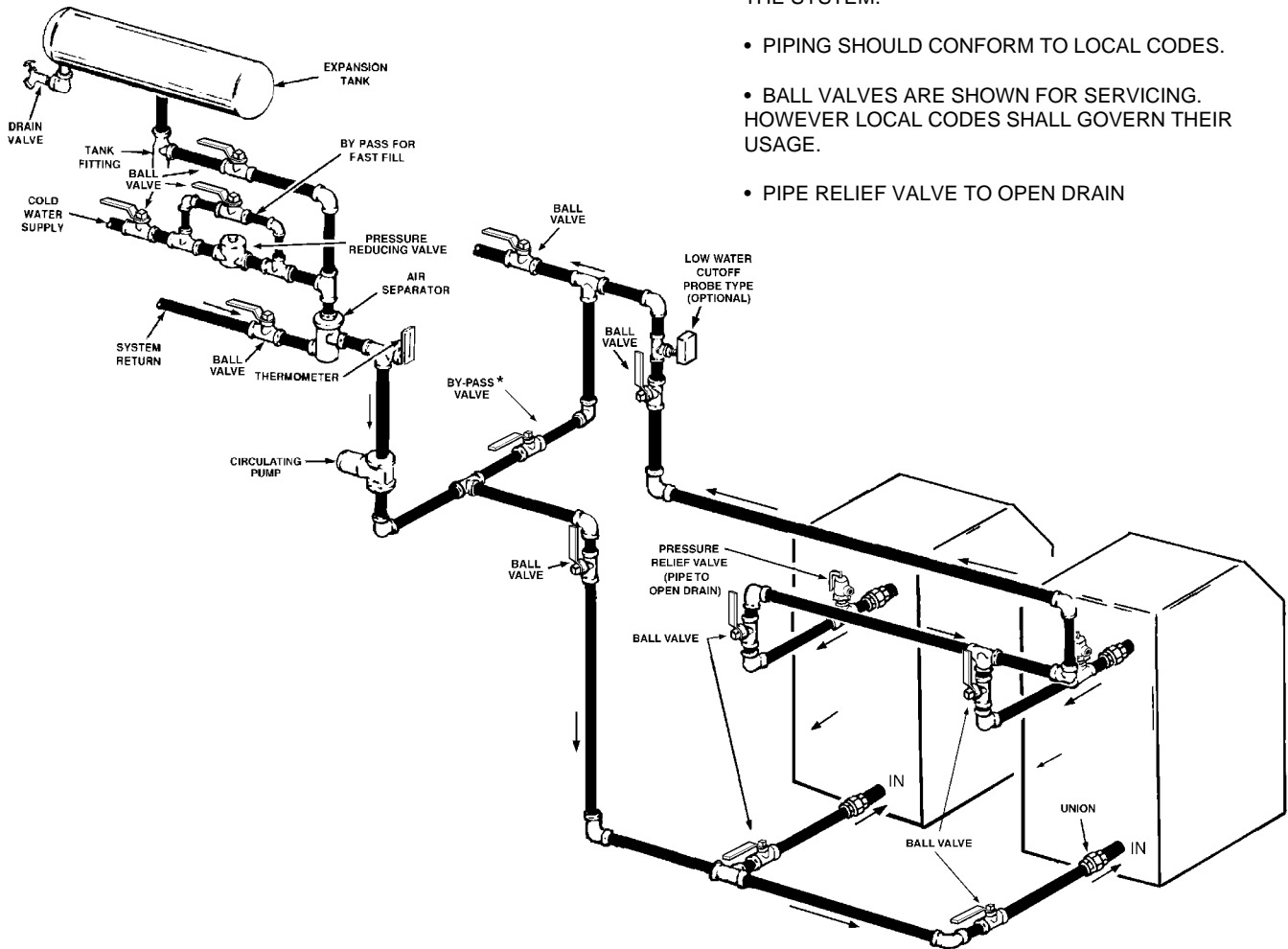


**TWO BOILERS
REVERSE RETURN
LB-500, LB-750, LB-1000**

A.O. SMITH

APPLICATION TYPE DIAGRAM
SEE INSTALLATION MANUAL FOR
COMPLETE INSTRUCTIONS.

INSTALL IN ACCORDANCE WITH ALL LOCAL CODES.



- SAFETY RELIEF VALVE SETTING SHOULD NOT EXCEED PRESSURE RATING OF ANY COMPONENT IN THE SYSTEM.
- PIPING SHOULD CONFORM TO LOCAL CODES.
- BALL VALVES ARE SHOWN FOR SERVICING. HOWEVER LOCAL CODES SHALL GOVERN THEIR USAGE.
- PIPE RELIEF VALVE TO OPEN DRAIN

System Notes:

- The System Pump must be sized to maintain the minimum recommended flow rate through the boilers. The pump must operate continuous or cycle with the boilers.
- The by-pass is required for systems designed to operate at flow rate higher than the maximum recommended flow rate of the boilers.
- This piping method is not recommended for systems designed to operate with return water temperatures less than 140°F. (See recommend piping method for Low Temperature Heating Systems.)

Model LB	Recommended Flow Rate @ 20° (F)Temp. Rise		Boiler Inlet & Outlet (inches)
	Flow (gpm)	Head Loss (feet)	
500	44	9.6	2"
750	66	10.0	2"
1000	88	8.6	2"