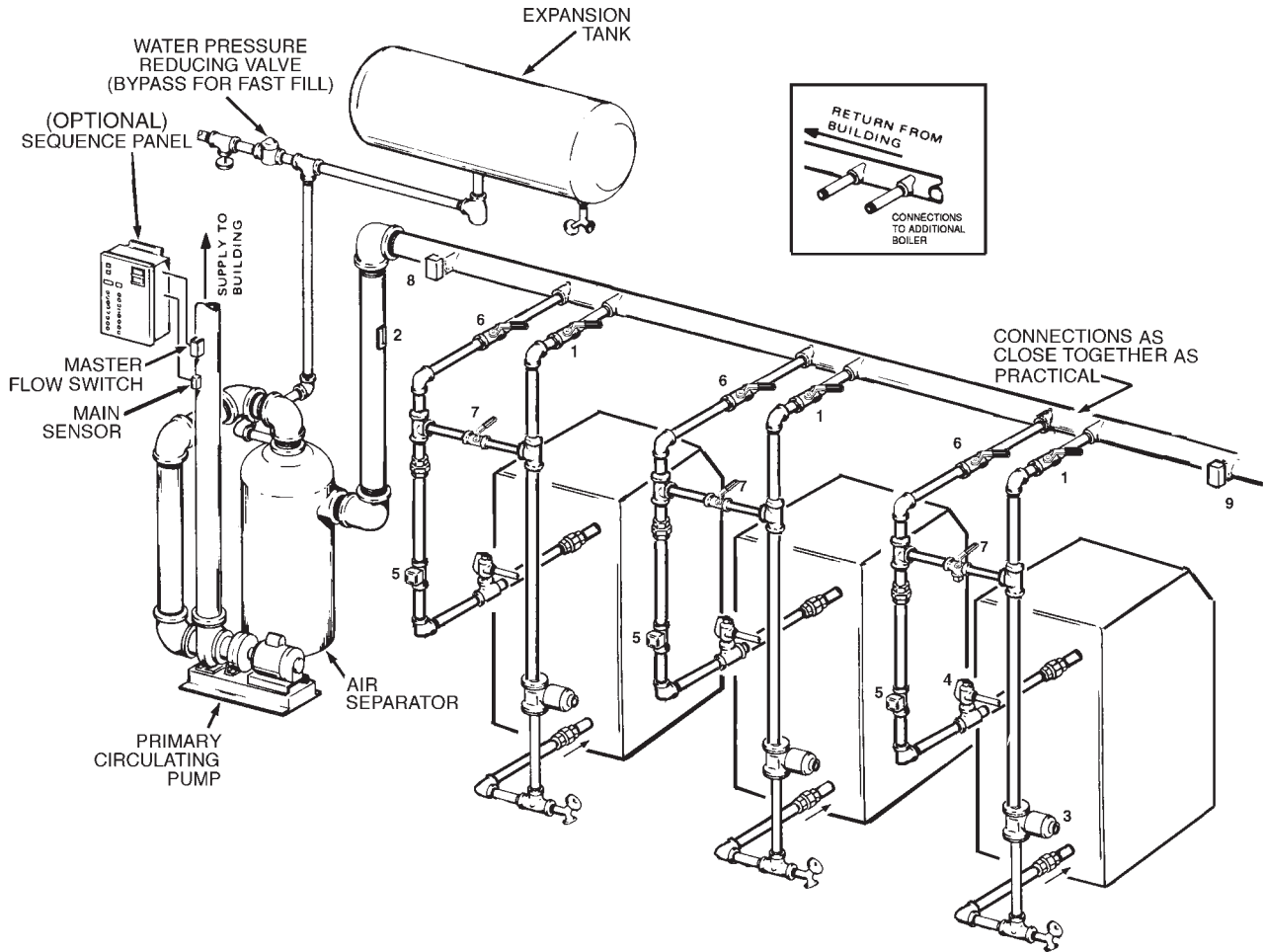


A.O. SMITH

APPLICATION TYPE DIAGRAM
SEE INSTALLATION MANUAL FOR
COMPLETE INSTRUCTIONS

LOW TEMPERATURE SYSTEM LEGEND BOILERS LB-720 THRU LB-1000 PRIMARY-SECONDARY PIPING

INSTALL IN ACCORDANCE WITH LOCAL CODES.



SECONDARY PUMP AND PIPE SELECTION DATA FOR
CONNECTIONS TO EACH BOILER.

Model LB	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"

1. INLET VALVE
2. THERMOMETER
3. BOILER CIRCULATING PUMP (Secondary)
4. RELIEF VALVE
5. THERALTIMETER
6. OUTLET VALVE
7. BY-PASS
8. PROBE-TYPE LOW WATER CUTOFF (If Required)
9. REMOTE LOOP STAT

Secondary flow rate should not create a temperature rise that will force boiler temperatures up to the 240° maximum setting of limit controls.

A minimum inlet temperature of 140° must be maintained to the boiler.

** Flow rates through unequal models must be adjusted to establish equal temperature rise.

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