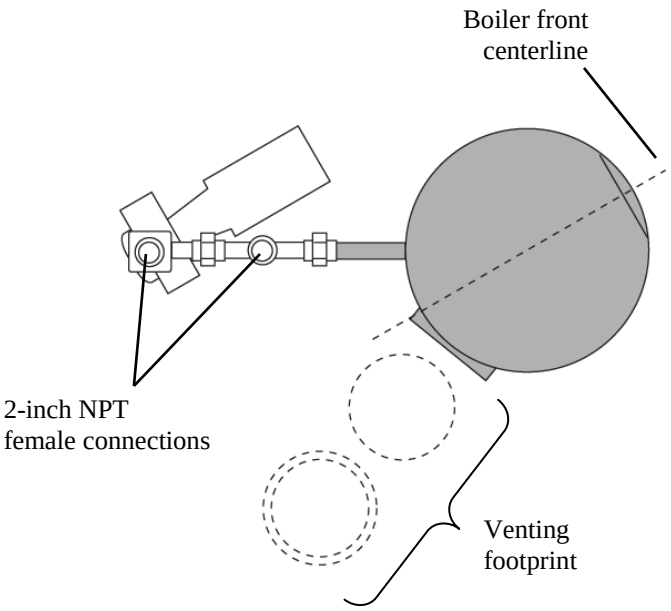
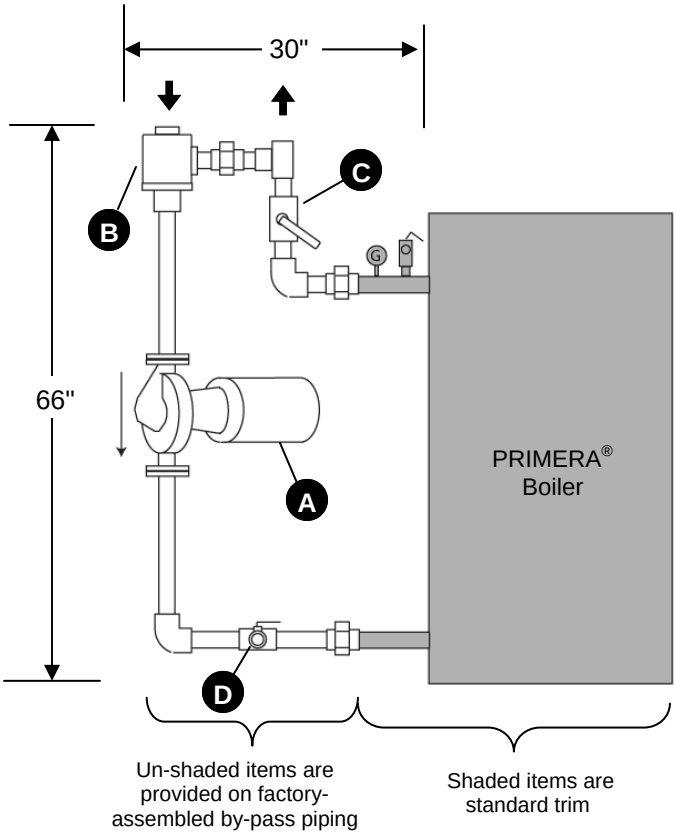
Factory-Assembled, Field-Installed, Low-Temperature Bypass Piping with Thermostatic Mixing Valve



TOP VIEW

SIDE VIEW



The factory-assembled, low-temperature bypass for PRIMERA boilers is designed to ensure that the temperature of water entering the boiler is above 130°F in order to limit the potential for condensation. The bypass is constructed of 2-inch, threaded steel pipe, including service unions. The completely assembled manifold ships separately for field attachment by pipe unions onto threaded adapters that are brazed to boiler inlet and outlet piping in the field. Bypass piping materials are suitable only for heating applications and are not suitable for potable hot water applications (domestic water heaters).

Bypass manifold includes:

A. Pump (see installation note)
B. Thermostatic mixing valve
C. Balancing valve
D. Drain valve

Refer to Installation manual (form 34-50) for more details.

Pump Foot Head		
PRIMERA Boiler Model	Pumps Rated Ft Hd at Required Flow Rate	Remaining Ft Hd at Manifold Connections
2000B	34	8.7
1600B	29	7
1200B	30	9.7
1000B	28	9.7
750B	23	9
400B / 500B	12.5	2.5

Pump Horsepower and Amperage		
PRIMERA Boiler Model	Pump HP	Pump Amps (115V)
2000B	1	17
1600B	1	11.2
1200B	1	11.2
1000B	1	11.2
750B	3/4	8.2
400B / 500B	1/6	2.1

Pump must be wired to pump relay inside PRIMERA boiler.
See I&M manual, form 34-50.
Piping must be properly supported.