

# BYPASS KIT

A thermostatic bypass valve is highly recommended on high water volume standing cast iron systems.

The boiler is a highly efficient low mass boiler in which care must be taken to ensure that high volumes of low temperature water are not introduced into the boiler. Operating at return water temperatures below 130°F for extended periods of time will allow for the accumulation of condensation, scale and increased soot formation in the boiler. Corrosion and eventual heat exchanger failure will result.

A thermostatic bypass valve will consistently ensure that return temperatures to the boiler exceed 130°F at all times. See Figure 1 for Thermostatic Bypass valve piping.

## **Bypass Valve Kit Components** - See Figure 1 for Piping

- (1) Danfoss Bypass Valve
- (2) 1-1/2 x 3-1/2 Nipples
- (2) 1-1/2 x 1-1/4 Reducing Elbow
- (1) 1-1/4 x 1-1/4 x 1/2 Tee
- (2) 1-1/4 Close Nipples
- (1) 1-1/4 x 4-1/2 Nipple
- (1) 1-1/4 x 1/2 Reducing Bushing
- (2) 1/2NPT x 1/2 Sweat Adapter

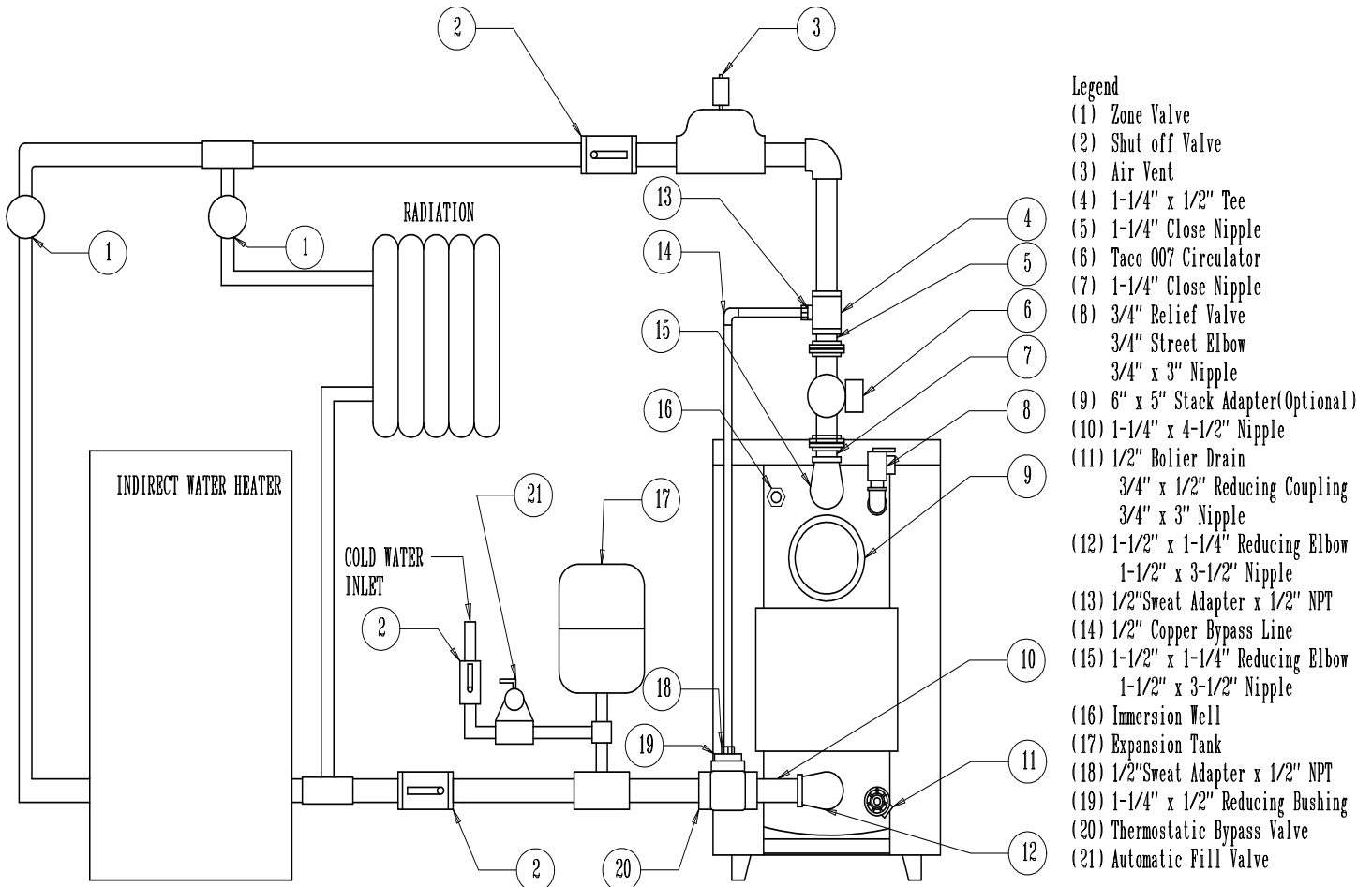


Figure 1