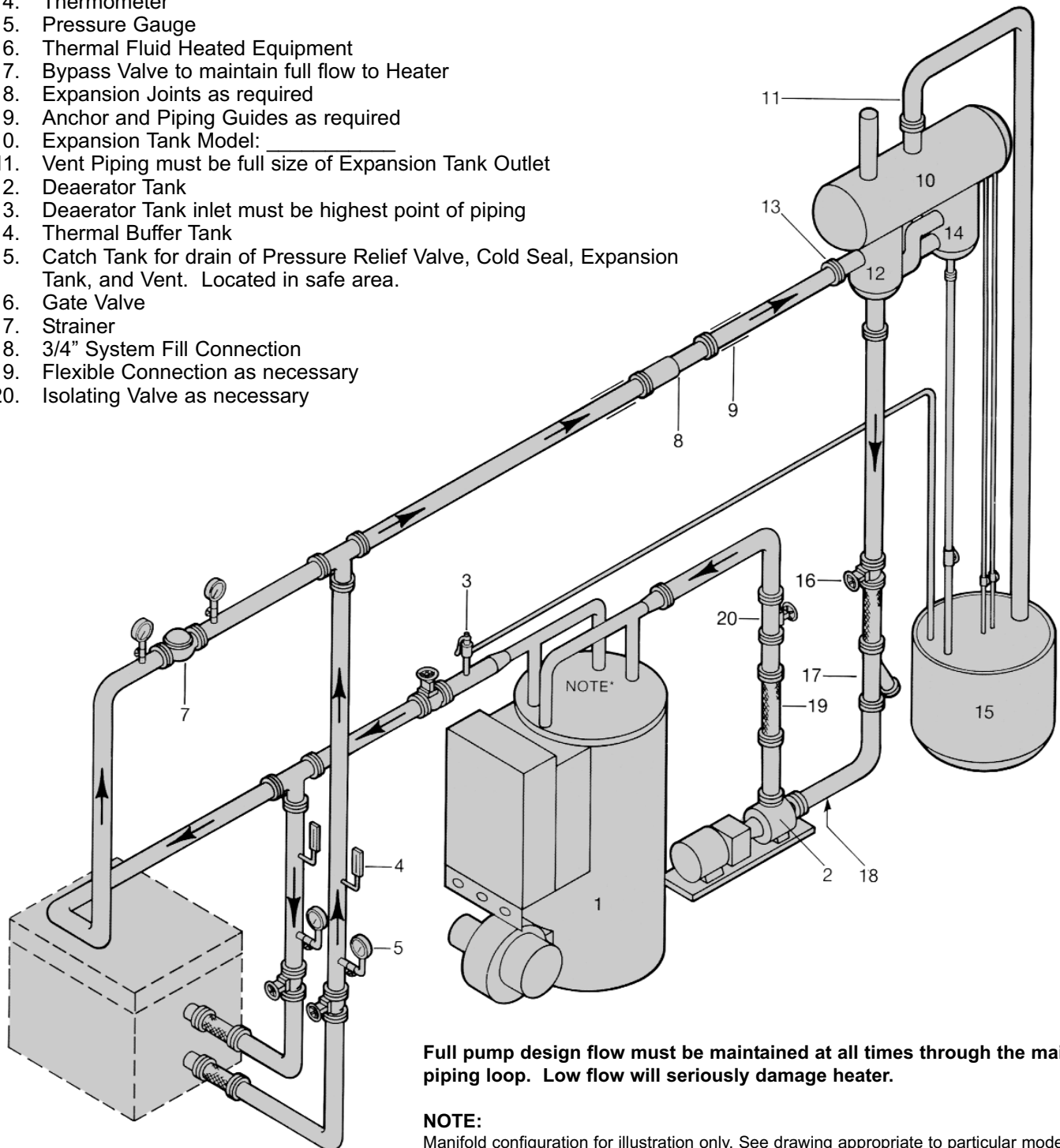


## Typical Fulton Thermal Fluid Piping Schematic

1. Thermal Fluid Heater Model: \_\_\_\_\_; Flow Rate: \_\_\_\_\_ GPM
2. Thermal Fluid Circulating Pump: \_\_\_\_\_ GPM, \_\_\_\_\_ Ft. Head
3. Safety Relief Valve
4. Thermometer
5. Pressure Gauge
6. Thermal Fluid Heated Equipment
7. Bypass Valve to maintain full flow to Heater
8. Expansion Joints as required
9. Anchor and Piping Guides as required
10. Expansion Tank Model: \_\_\_\_\_
11. Vent Piping must be full size of Expansion Tank Outlet
12. Deaerator Tank
13. Deaerator Tank inlet must be highest point of piping
14. Thermal Buffer Tank
15. Catch Tank for drain of Pressure Relief Valve, Cold Seal, Expansion Tank, and Vent. Located in safe area.
16. Gate Valve
17. Strainer
18. 3/4" System Fill Connection
19. Flexible Connection as necessary
20. Isolating Valve as necessary



**Full pump design flow must be maintained at all times through the main piping loop. Low flow will seriously damage heater.**

**NOTE:**

Manifold configuration for illustration only. See drawing appropriate to particular model.