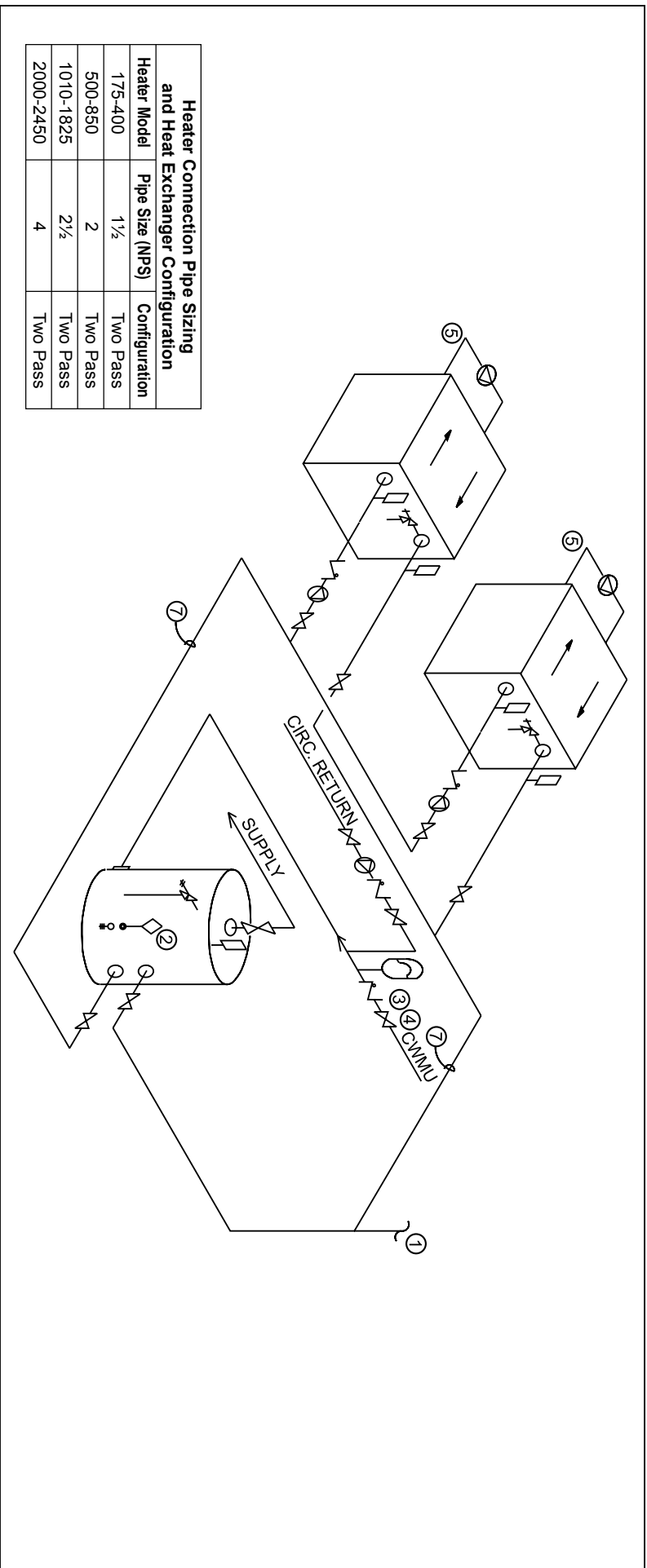


TWO HEATERS, TWO PASS WITH VERTICAL TANK



NOTES:

- Optional CWMU & Recirc. line location
- When using intermittent pump and EM² locate remote aquastat well in lower 1/3 of tank with heat sensing compound.
- Back flow preventer may be required, check local codes.
- Thermal expansion tank may be required, check local codes.
- When using optional factory mounted pump, max pipe length 30' total, 6-90° elbows, full pipe size.

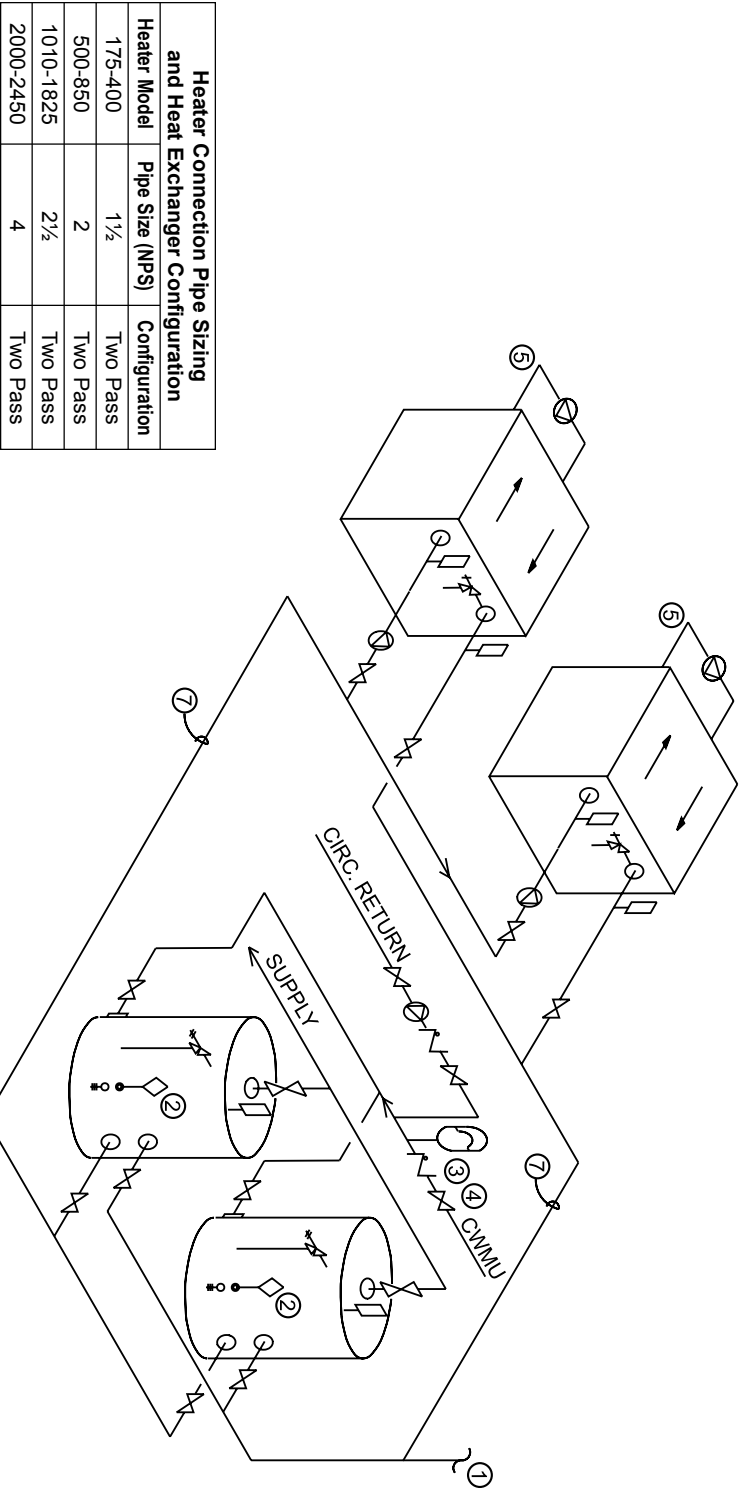
- This drawing depicts a two-pass heat exchanger.
- Common piping must be sized for maximum combined heater flow.
- CAUTION: PUMP SIZING MUST BE BASED UPON WATER HARDNESS AT JOB SITE.**

▲ WARNING

This drawing shows suggested piping configuration and valving. Check with local codes and ordinances for additional requirements.

PUMP	VALVE	GLOBE VALVE	CHECK VALVE	PRESSURE REDUCING VALVE	3-WAY VALVE	TEMPERATURE SENSOR	THERMOMETER	EXPANSION TANK	PRV	TPRV

TWO HEATERS, TWO PASS WITH VERTICAL TANKS



- NOTES:**
1. Optional CWMU & Recirc. line location
 2. When using intermittent pump and EM² locate remote aquastat well in lower 1/3 of tank with heat sensing compound.
 3. Back flow preventer may be required, check local codes.
 4. Thermal expansion tank may be required, check local codes.
 5. When using optional factory mounted pump, max pipe length 30' total, 6-90° elbows, full pipe size.

6. This drawing depicts a two-pass heat exchanger.
 7. Common piping must be sized for maximum combined heater flow.
 8. **CAUTION: PUMP SIZING MUST BE BASED UPON WATER HARDNESS AT JOB SITE.**
- ▲ WARNING**
- This drawing shows suggested piping configuration and valving. Check with local codes and ordinances for additional requirements.

KEY

Water Category Grain Hardness Per Gallon

S = Soft 1 Through 7.5

N = Normal 7.6 Through 17

H = Hard Over 18

P.P.M. 17.1 = Grains Hardness Per Gallon

