

TE-100 SERIES



Kemco's pioneering 99.7% efficient direct contact water heater, the TE-100 delivers hot water on demand. Each unit is custom designed to meet the customer's individual requirements, heating large volumes of water from an incoming cold temperature to a final hot usage temperature, in a single pass. Heated water, ready for use, is then stored in an open hot water tank.

FEATURES

- On-Demand Hot Water
- Stainless Steel Construction
- Non-Pressure Vessel
- Heating Flows to 500 gpm
- Temperature as High as 199°F
- NSF-Certified Models
- Insurance-Rated Gas Trains
- PLC-Based System Control Panel
- Media Tower Manway
- No Operator Certification Required
- Low NOx Available

APPLICATIONS

Processing
Hot Water

Heating Water for
"Water to Water" Heat
Exchanger Applications

SPECIFICATIONS

| Heater Size (mbtu) | Water Heating Capacity at ΔT 100°F (gph) | Dimensions (D x H) | Weight Empty (lbs) | Weight Flooded (lbs) | Water Inlet | Water Outlet | Gas Inlet | Min. Typical Connected Load (FLA) |
|--------------------|--|--------------------|--------------------|----------------------|-------------|--------------|-----------|-----------------------------------|
| 1.2 | 1,440 | 25 ½" x 9' | 1,000 | 1,450 | 1" - 2" | 2" | 1 ½" | 5.0 |
| 2.0 | 2,400 | 30" x 10' | 2,400 | 3,100 | 1 ¼" - 2" | 3" | 1 ½" | 5.0 |
| 3.0 | 3,600 | 30" x 10' | 2,400 | 3,100 | 1 ½" - 2" | 3" | 1 ½" | 6.5 |
| 4.5 | 5,400 | 42" x 10' | 2,650 | 3,850 | 2" - 2 ½" | 4" | 2" | 6.5 |
| 5.5 | 6,600 | 42" x 10' | 3,000 | 4,250 | 2" - 3" | 4" | 2" | 8.0 |
| 7.0 | 8,400 | 54" x 11' | 3,200 | 5,800 | 2 ½" - 3" | 4" | 2" | 14.5 |
| 9.0 | 10,800 | 54" x 11' | 3,200 | 5,800 | 3" | 4" | 2" | 17.5 |
| 10.0 | 12,000 | 54" x 11' | 3,200 | 5,800 | 3" - 4" | 4" - 6" | 2 ½" | 24.5 |
| 12.0 | 14,400 | 69" x 11' | 4,900 | 9,100 | 3" - 4" | 6" | 3" | 24.5 |
| 15.0 | 18,000 | 76" x 11' | 5,100 | 10,200 | 4" | 6" | 3" | 24.5 |
| 18.0 | 21,600 | 84" x 11' | 6,000 | 12,200 | 4" | 6" | 3" | 43.5 |
| 21.0 | 25,200 | 84" x 11' | 6,000 | 12,200 | 4" | 6" | 3" | 55.5 |
| 25.0 | 30,000 | 96" x 12' | 7,000 | 15,100 | 4" | 8" | 3" | 68.5 |