



The new degree of comfort.™



Water

Commercial  
Indirect Coil Tank Water Heaters

## Indirect coil tank water heaters offer a cost effective water heating alternative and are ideal for applications using boilers for space heating

### Features & Benefits

This unit uses indirect water-to-water heat transfer by circulating boiler-fed hot water through a coil inside the water tank. The Rheem indirect coil water heater are in a 45-gallon model.

### Built to Last

The tank is manufactured from heavy gauge steel. Longer life equals a higher "return on investment". Its outer jacket is made from steel and powder coated for a lasting, durable finish. And its high temperature porcelain enamel protects all tank and coil – and maximizes corrosion resistance.

### Factory Installed Automatic Temperature Controls

STID50 model features an immersion aquastat.

### Full-port, Full-flow Brass Drain Valve

STID50 model features a factory-installed brass drain valve for faster draining.

### Temperature and Pressure Relief Valve

CSA/ASME rated and factory installed.

### 1-1/2" Coil Diameter

Rheem indirect coil water heaters' larger diameter results in higher recovery and less pressure drop through the coil – its smooth surface on the coil resists lime build-up.

### 2" Non-CFC Foam Insulation

Provides superior insulating quality and decreases standby heat loss.

### Two Heavy-duty Magnesium Anode Rods

Anode design utilizes multiple magnesium rods to ensure corrosion resistance for a long tank life.

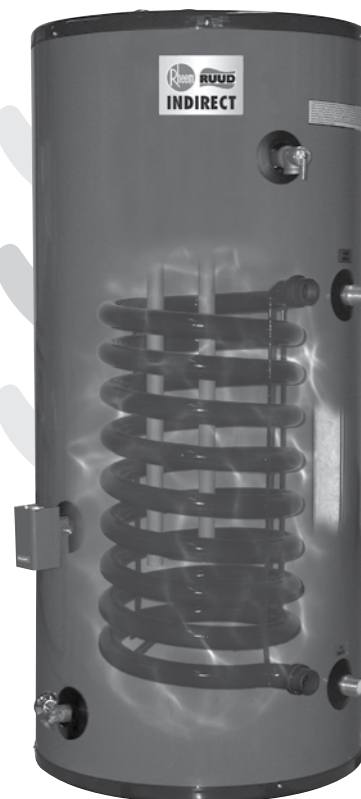
### Factory Installed Dielectric Nipples

Provide greater insulating protection against electrolysis.

### Warranty

3-Year limited tank warranty

See Commercial Warranty Certificate for complete information.



**Rheem Indirect**  
Coil Tank Water Heater  
120V, 60Hz, 1P  
45-Gallon Capacity



INTEGRATED AIR & WATER



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## DIMENSIONAL INFORMATION

| MODEL NUMBER | UNITS  | A  | B      | C      | D      | E      | F     | G     | H   | APPROX. SHIPPING WEIGHT |
|--------------|--------|----|--------|--------|--------|--------|-------|-------|-----|-------------------------|
| STID50       | inches | 22 | 48-3/4 | 39-3/4 | 31-1/2 | 16-3/4 | 6-1/2 | 4-1/2 | N/A | 231 lbs.                |

## FIRST HOUR RATING (gal) @ Coil Output (Btu/hr)

| MODEL NUMBER | TANK CAPACITY (GAL) | FIRST DRAW (GAL) | HEAT SOURCE FRICTION LOSS* (FT. W.C.) | 180°F, 8 GPM** | 180°F, 10 GPM** | 180°F, 12 GPM** | 200°F, 8 GPM** | 200°F, 10 GPM** | 200°F, 12 GPM** | 200°F, 14 GPM** |
|--------------|---------------------|------------------|---------------------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| STID50       | 45                  | 40               | 3                                     | 180 @ 89,000   | 190 @ 96,000    | 198 @ 101,000   | 221 @ 115,000  | 233 @ 123,000   | 242 @ 129,000   | 250 @ 134,000   |

All data obtained through testing in accordance with AHRI Indirect-Fired Water Heaters testing standard IWH-TS-1\_March 2003

\* At 8 GPM

\*\*Coil Input (temperature, flow rate). Ratings based on 77°F rise with 58°F inlet potable water.

**Note:** First Hour Rating = First Draw + Continuous Draw

**Warning:** Installation should be in accordance with all national and/or local codes.

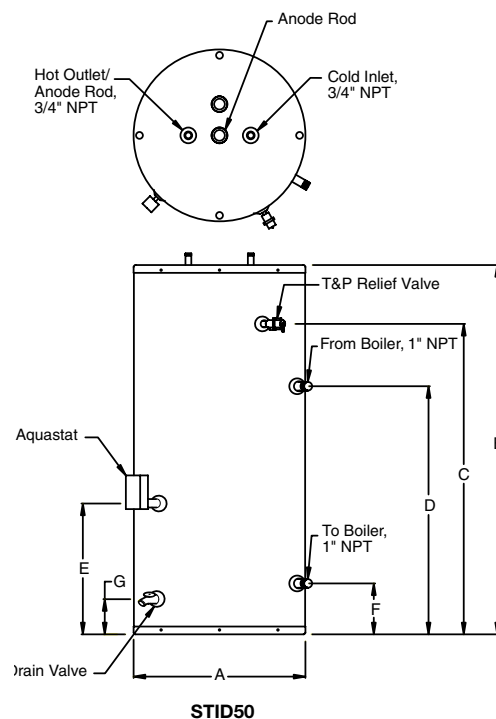
In the absence of local codes, refer to NFPA 54 or ANSI Z.21.10.1.

**Caution:** The recommended maximum hot water temperature setting for normal residential use is 120°F. Rheem recommends a tempering valve or anti-scald valve be installed and used according to the manufacturer's directions to prevent scalding.

**Pressures** (all): Test pressure, 300 psi; working pressure, 150 psi

**Standard Voltage** (all): 120V, 60 Hz, 1P

**T&P valve installed.**



In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

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