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 Ruud indirect coil water heater are is 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

Ruud 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.

Ruud Indirect
Coil Tank Water Heater
120V, 60Hz, 1P
45-Gallon Capacities

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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.

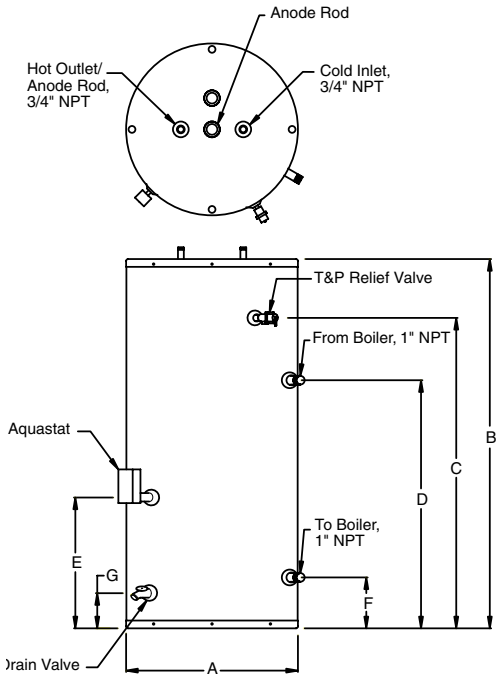
In the absence of local codes, refer to NFPA 54 or ANSI Z.21.10.1.

Caution: The recommended maximum hot water temperature setting for normal residential use is 120°F. Ruud 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.



STID50

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

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