

# LAARS-Stor™ SS Residential Indirect Water Heater

Date: Bid Date:  
Project #: Location:  
Project Name: Engineer:  
Contractor: Prepared By:

Model LS-RTV (40-75)

## Specification

Contractor shall supply and install Qty: \_\_\_\_\_ Laars-Stor SS Energy Saver Stainless Steel indirect water heater.

The water heater shall be a Laars-Stor model LS-RTV-\_\_\_\_\_-L, and shall have a U.S. gallon capacity of \_\_\_\_\_ gallons (\_\_\_\_\_ liters).

Unit shall have a coil capacity of \_\_\_\_\_ gallons (\_\_\_\_\_ liters), and a heating surface area of \_\_\_\_\_ square feet. Boiler flow through the coil shall be \_\_\_\_\_ U.S. gallons per minute with a pressure drop of \_\_\_\_\_ feet w.c., from a boiler with gross output of \_\_\_\_\_ BTU/hr. With 180°F (82°C) supply and 140°F (60°C) stored water temperature, first hour delivery shall be \_\_\_\_\_ gallons, with a recovery of \_\_\_\_\_ gallons per hour at 90°F (50°C) temperature rise. With 200°F (93°C) supply and 140°F (60°C) stored water temperature, first hour delivery shall be \_\_\_\_\_ gallons, with a recovery of \_\_\_\_\_ gallons per hour at 90°F (50°C) temperature rise.

The unit shall be certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure .

The water heaters shall meet or exceed the insulating standards established under ASHRAE Standard 90.1b (current edition). CFC-free polystyrene insulation shall cover the sides and top of the tank to save energy by retarding heat loss. Stand-by heat loss shall be less than ½°F per hour.

Tank and heat exchanger shall be chromium molybdenum titanium ferritic 444 stainless steel alloy.

Potable water connections shall be ¾" NPT. Boiler supply and return connections shall be ¾" NPT female, and shall be located on the front of the unit. Connection nipples shall be factory-installed for easier installation and longer water heater life.

Unit shall be furnished with fully automatic control aquastat, temperature/pressure valve, and brass drain/return valve.

Replaceable parts shall carry a 6-year limited warranty, and the tank and heat exchanger shall carry a life-time limited warranty.