



# Alliance™ SST

## Stainless Steel Indirect Water Heater

### A Premium Tank at a Low Price!

- 8-Year “Leak-Free” warranty, upgradeable to a lifetime warranty<sup>1</sup> at NO CHARGE!
- 5 sizes; 30–111 gallons
- Adjustable Honeywell Aquastat included

### Maximum Reliability

- Stainless steel tank cylinder and coil for long service life
- Rugged steel jacket with heavy duty crack-resistant polymer caps on top and bottom\*
- Computerized welding, hydrostatically tested
- Sacrificial anode rod protects equipment from corrosion<sup>2</sup>

### Efficient High Performance

- Optimized stainless steel coil speeds hot water recovery
- Thick insulation provides very low standby heat loss

### Easy Installation

- Lighter weight, easy to transport
- Adjustable leveling feet adjust to uneven floors<sup>2</sup>
- Low profile design provides easy access to connection fittings



1. Product must be registered within 30 days of installation, please see product warranty description for complete details  
2. Standard on models 30-75

## Built-in Value

- **Smooth surface stainless steel coil** resists scale buildup and speeds hot water recovery.
- Stainless steel tank is **passivated** for long life and corrosion resistance. This process restores the natural layer of oxidation to the surface of the steel. For stainless steel, the oxidized layer acts as a barrier against corrosion, providing an additional level of protection.
- Thick, **blown-in insulation** on models 30-75 provides excellent coverage between jacket and tank, resulting in very low standby heat loss.
- **Honeywell L4080B Aquastat** is fully adjustable; a stainless steel well is also included in the tank.
- Sacrificial **Anode rod kit** on models 30-75 protects equipment from corrosion.

## Performance

| Model Number | First Hour Rating (Gal./Hr.) | Continuous Draw Rating (Gal./Hr.) | Minimum Boiler Output (MBH) | Standby Heat Loss (°F/Hr.) | Boiler Water Min. Flow Rate Thru Coil (Gal./Minute) | Boiler Water Headloss Thru Coil (Ft. w.c.) |
|--------------|------------------------------|-----------------------------------|-----------------------------|----------------------------|---|--|
| AL30SST      | 162                          | 138                               | 87                          | 1.4                        | 8.0   | 2.6  |
| AL40SST      | 192                          | 162                               | 101                         | 1.1                        | 8.0   | 2.8  |
| AL50SST      | 236                          | 193                               | 121                         | 0.9                        | 8.0   | 2.9  |
| AL75SST      | 307                          | 238                               | 150                         | 1.0                        | 8.0   | 4.5  |
| AL119SST     | 497                          | 417                               | 264                         | 1.4                        | 14.0  | 4.2  |

Ratings based on 77°F DHW temperature rise (135°F outlet temp) and 180°F boiler supply temperature. The ratings were obtained at the heat source (boiler) output rates and heat source flow rates shown. Other results will be obtained under different conditions. Pressure ratings: Maximum allowable tank working pressure - 150 PSI. Design hydrostatically tested to 300 PSI.

## Specifications & Draw Rates

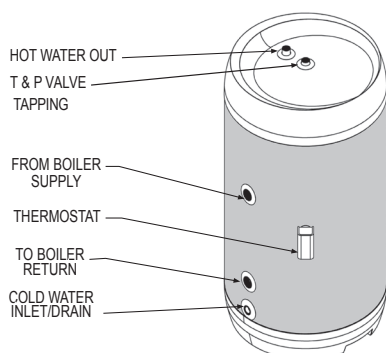
| Model Number | Potable Volume (Gal.) | Height (In.) | Diameter/Width (In.) | Approx Net Weight (Lbs.) | Maximum Possible Continuous Draw |                          | First Draw      |                   |
|--------------|-----------------------|--------------|----------------------|--------------------------|----------------------------------|--------------------------|-----------------|-------------------|
|              |                       |              |                      |                          | Continuous Draw (Gal./Min.)      | Min. Boiler Output (MBH) | Draw Rate (GPM) | First Draw (Gal.) |
| AL30SST      | 30.1                  | 33-1/8       | 23-1/2               | 69                       | 2.3                              | 87                       | 2.3             | 23                |
| AL40SST      | 37.9                  | 39-3/8       | 23-1/2               | 82                       | 2.7                              | 101                      | 2.7             | 31                |
| AL50SST      | 50.6                  | 49-3/4       | 23-1/2               | 112                      | 3.2                              | 121                      | 3.2             | 44                |
| AL75SST      | 74.0                  | 68-3/4       | 23-1/2               | 146                      | 3.9                              | 150                      | 3.9             | 69                |
| AL119SST     | 111.3                 | 62-7/8       | 30-3/4               | 251                      | 6.9                              | 264                      | 6.9             | 81                |

First draw rating is the amount of stored water available from a fully recovered water heater, with no boiler output during the draw, before the outlet temperature falls by 25°F. At draw rates higher than shown in first draw rating columns, less stored water may be available.

## Connections

| Connection             | Size (NPT) |         |         |         |          |
|------------------------|------------|---------|---------|---------|----------|
|                        | AL30SST    | AL40SST | AL50SST | AL75SST | AL119SST |
| T&P Tapping            | 3/4"       | 3/4"    | 3/4"    | 3/4"    | 1"       |
| From Boiler Supply     | 1"         | 1"      | 1"      | 1"      | 1-1/4"   |
| To Boiler Return       | 1"         | 1"      | 1"      | 1"      | 1-1/4"   |
| Cold Water Inlet/Drain | 3/4"       | 3/4"    | 3/4"    | 1"      | 1-1/4"   |
| Hot Water Out          | 3/4"       | 3/4"    | 3/4"    | 1"      | 1-1/4"   |

AL30SST-AL75SST



AL119SST

