

Burnham® Alliance™ SST

Stainless Steel Indirect Water Heater

A Premium Tank at a Low Price!

- 8-Year “Leak-Free” Warranty
- 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

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 un-even floors*
- Low profile design provides easy access to connection fittings

*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.

Performance

Model Number	First Hour Rating (Gal./Hr.)	Continuous Draw Rating (Gal./Hr.)	Minimum Boiler Output (MBH ¹)	Standby Heat Loss (F/Hr.)	Boiler Min. Flow Rate (Gal./Minute)	Tank Heat Source Friction Loss (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

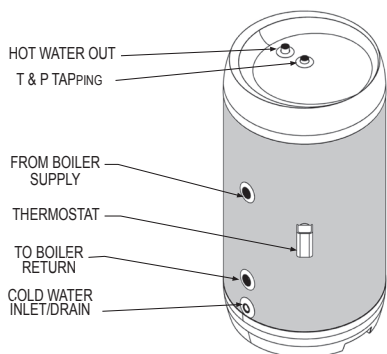
Model Number	Potable Volume (Gal.)	Height (In.)	Diameter/Width (In.)	Net Weight (Lbs.)	Maximum Possible Continuous Draw		First Draw	
					Continuous Draw (Gal./Min.)	Min. Boiler Output (MBH)	Draw Rate (GPM)	First Draw (Gal.)
AL30SST	30.1	33-1/8	23-1/2	69	2.3	87	2.3	23
AL40SST	37.9	39-3/8	23-1/2	81	2.7	101	2.7	31
AL50SST	50.6	49-3/4	23-1/2	100	3.2	121	3.2	44
AL75SST	74.0	68-3/4	23-1/2	130	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.

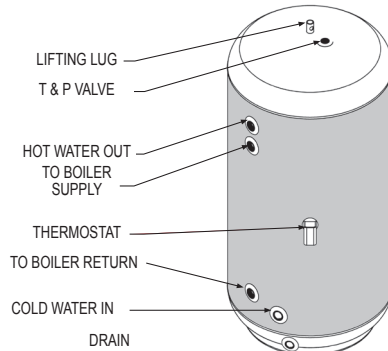
Connections

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



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