

LAARS-STOR™ SS Stainless Steel Single-Wall Indirect Water Heater



LS-RTV-40-L

The LAARS-STOR™ SS Models Feature:

- **Stainless Steel Heat Exchanger**—Single-wall 1" O.D. stainless steel coil. Maximum supply temperature from the boiler must not exceed 240°F.
- **Stainless Steel Tank and Heat Exchanger**—Made from chromium molybdenum - titanium ferritic 444 stainless steel alloy.
- **Immersed Adjustable Honeywell Aquastat**—Fast acting immersion aquastat for automatic temperature control (adjustable from 80°F to 160°F).
- **Supply and Return Connections**—3/4" NPT female connections are located on the front for both the boiler supply and boiler return (1" NPT on RTV-120).
- **2" Non-CFC Foam Insulation**—Covers the side and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Potable Water Connections**—3/4" NPT (1/4" NPT on RTV-120).
- **T&P Relief Valve**—Included.
- **Steel Jacket.**
- **Low Restriction Brass Drain/Cold Inlet Valve.**
- **AHRI Certified**—These water heaters are rated by the Air-Conditioning, Heating, and Refrigeration Institute to provide accurate performance data within the standards of the certification. This certification provides a recognized standard for proper comparison of hydronic appliances.



**Limited Lifetime Tank and Heat Exchanger Warranties / 6-Year Limited Warranty on Component Parts.
 5-Year Limited Tank Warranties on Commercial Models/1-Year Limited Warranty of Component parts**

*For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties.
 See complete copy of the warranty included with the heater.*

LAARS-STOR™ SS Energy Saver Stainless Steel Indirect Water Heater

LAARS-STOR™ SS Energy Saver Models

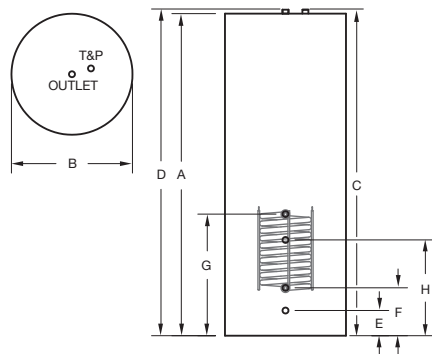
Model Number	Capacity		A Floor to Heater Top	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Hot Water Conn.	E Floor to Cold Water Conn.	F Floor to Exchanger Outlet	G Floor to Exchanger Inlet	H Floor to Aquastat	K Floor to Spare 3/4" Hot Water Conn. In.	L Floor to Spare 3/4" Cold Water Conn. In.	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
LS-RTV-40-L	40	33	35 ¹ / ₄	24	35 ¹ / ₂	35 ¹ / ₂	5	9 ¹ / ₂	24 ⁵ / ₈	19	—	—	83
LS-RTV-52-L	52	43	45 ⁵ / ₈	24	45 ⁷ / ₈	45 ⁷ / ₈	5	9 ¹ / ₂	28 ³ / ₈	19	—	—	93
LS-RTV-75-L	75	63	63 ⁷ / ₈	24	64 ¹ / ₈	64 ¹ / ₈	5	9 ¹ / ₂	28 ¹ / ₄	19	—	—	117
LS-RTV-120-L	119	100	60 ⁵ / ₈	30 ¹ / ₄	61	49 ¹ / ₂	11 ¹ / ₄	17 ⁷ / ₈	45 ¹ / ₂	36	42 ³ / ₄	17 ⁷ / ₈	315

Model Number	Capacity		A Floor to Heater Top	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Hot Water Conn.	E Floor to Cold Water Conn.	F Floor to Exchanger Outlet	G Floor to Exchanger Inlet	H Floor to Aquastat	K Floor to Spare 3/4" Hot Water Conn. mm.	L Floor to Spare 3/4" Cold Water Conn. mm.	Approx. Shipping Weight
	Liters		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
LS-RTV-40-L	151		894	609	897	897	127	238	614	482	—	—	38
LS-RTV-52-L	197		1153	609	1163	1163	127	238	724	482	—	—	42
LS-RTV-75-L	284		1610	609	1628	1628	127	238	724	482	—	—	53
LS-RTV-120-L	450		1540	768	1549	1257	286	454	1156	914	1086	454	143

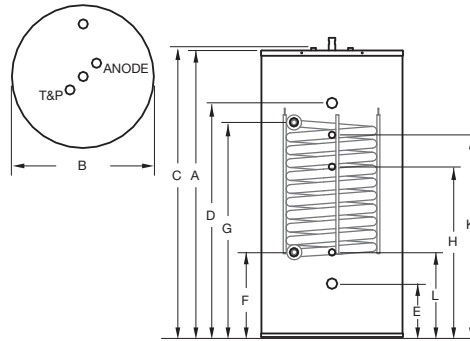
AHRI Certified Water Heater Ratings

Model Number	First Hour Delivery Rating	Continuous Draw @135°F	Standby Heat Loss Rating	Minimum Heat Required Rate	Minimum Heat Source Flow Rate
	Gal./Hr.	Gal./Hr.	°F/Hr.	BTU/Hr.	Gal./Min.
LS-RTV-40-L	158	133	0.9	88,000	8.0
LS-RTV-52-L	200	165	0.7	113,000	8.0
LS-RTV-75-L	225	165	0.5	113,000	8.0
LS-RTV-120-L	360	280	0.6	195,000	11.0

NOTE: These certified ratings were obtained with a heat source output and flow rate as specified and a 180°F boiler water supply temperature. Other results will be obtained under different conditions.



LS-RTV-40-L
LS-RTV-52-L
LS-RTV-75-L



LS-RTV-120-L
(Floor to Top Spare 3/4" NPT Tank Connection is 42³/₄"")
(Floor to Bottom Spare 3/4" NPT Tank Connection is 17⁷/₈"")

General

All units are certified at 300 PSI (2068 kPa) test pressure and 150 PSI working pressure (1034 kPa).

All potable water connections are 3/4" (19mm) NPT (1¹/₄" (32mm) NPT on RTV-120).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable water side. The potable side of this unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance. The heat exchanger side of the unit may be used in space heating applications.