



Commercial vertical storage tanks designed for applications that require large quantities of potable hot water in short periods of time

Features & Benefits

When used in tandem with Ruud commercial water heating equipment, these storage tanks provide the flexibility needed for many commercial applications. Installed individually, or manifolded, these storage tanks can provide 80% draw capability without an appreciable temperature decrease in single temperature applications.

Long Life Tank Design

Unique steel formulation with high temperature porcelain enamel maximizes corrosion resistance and results in a superior tank design. Heavy duty magnesium anode rod(s) are installed for longer tank life.*

Efficient Design

Rigid 2" polyurethane foam insulation provides superior insulating qualities and results in reduced operating costs. Our patented process of Injection foam into the insulating cavity adds additional durability and toughness to the baked enamel steel outer jacket.

Tank Openings

Circulating line connections and hot outlet are 2" NPT on the ST80 and ST120 and 2-1/2" NPT on the ST175. Other openings are provided for relief valve and temperature control. ST175 equipped with a hand-hole cleanout.

ASME

All commercial storage tank models are certified to ASME boiler and pressure vessel code standards.

Warranty

5-Year limited tank warranty against tank leaks.

See Commercial Warranty Certificate for complete information

Efficiency | These models meet or exceed thermal efficiency and standby loss requirements of current ASHRAE standards (Part of the Federally mandated Energy Policy Act (EPAct)).

Optional Construction | ASME construction is available on all storage tank models. Model numbers are ST80A, ST120A and ST175A

T&P valve | Must be ordered separately based on water heater BTU/h input.

*Anodes are replaceable.



**Ruud
Commercial
Storage Tanks**
80, 115 and 175-Gallon
Capacities



Recommended Specifications

Storage tank(s) shall be Ruud model _____. Storage tank(s) shall have a storage capacity of _____ gallons. Tank(s) interior shall be coated with a high temperature porcelain enamel and furnished with two magnesium anode rod(s) rigidly supported. Storage tank(s) shall be constructed in accordance

with the requirements of the ASME Boiler and Pressure Vessel Code, stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors. Tank(s) shall have a working pressure rating of _____ psi. Tank(s) shall be insulated with a minimum of 2" of rigid polyurethane foam insulation.

DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)

MODEL NUMBER	UNITS	A	B	C	D	WATER CONNECTIONS		APPROXIMATE SHIPPING WEIGHT	
						TOP OUTLET	FRONT SIDE	STD.	ASME
ST80(A)	inches	58-5/16	24-7/16	13-3/16	6-3/16	2	2	220 lbs.	260 lbs.
	mm	1481	621	335	157	51	51	100 kgs.	118 kgs.
ST120(A)	inches	59-1/4	28-1/4	11-1/16	4-1/16	2	2	300 lbs.	340 lbs.
	mm	1505	718	281	103	51	51	136 kgs.	154 kgs.
ST175(A)	inches	67-1/4	32-1/4	12-9/16	5-9/16	2-1/2	2-1/2	600 lbs.	600 lbs.
	mm	1708	819	319	141	64	64	272 kgs.	272 kgs.

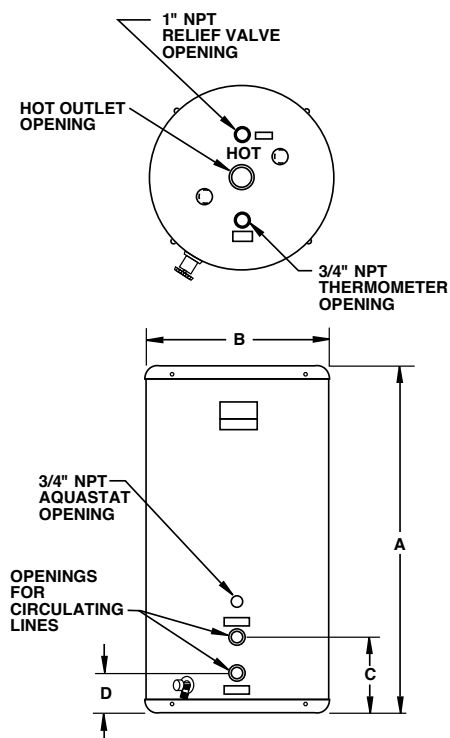
NOTE: 1" NPT drain opening on ST175(A). Handhole cleanout on ST175(A) only.

APPROXIMATE WIDTH REQUIRED FOR MANIFOLDED STORAGE TANKS (Shown in English and Metric)

MANIFOLD TYPE	UNITS	ST80(A)	ST120(A)	ST175(A)
Duplex	inches	54	58	66
	mm	1372	1473	1676
Triplex	inches	82	87	102
	mm	2083	2210	2591
Quadruplex	inches	108	116	137
	mm	2743	2946	3480

TANK INFORMATION (Shown in English and Metric)

MODEL NUMBER	TANK CAPACITY		MAXIMUM WORKING PRESSURE	
	GALLONS	LITERS	STD.	ASME
ST80(A)	80	303	150 PSI	125 PSI
			1034 kPa	862 kPa
ST120(A)	115	435	150 PSI	160 PSI
			1034 kPa	1103 kPa
ST175(A)	175	662	150 PSI	150 PSI
			1034 kPa	1034 kPa



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