

JACKETED AND INSULATED  
STORAGE TANKS

# LockTemp®

ASME SECTION IV CONSTRUCTION

CAPACITIES FROM 80-2,500 GALLONS

GLASS OR CEMENT LINING OPTIONS

STANDARD MAGNESIUM ANODE RODS

FIVE-YEAR LIMITED WARRANTY



DESIGNED ★ ENGINEERED ★ ASSEMBLED

**USA**

 **Lochinvar®**

# DIMENSIONS AND SPECIFICATIONS FOR VERTICAL TANKS

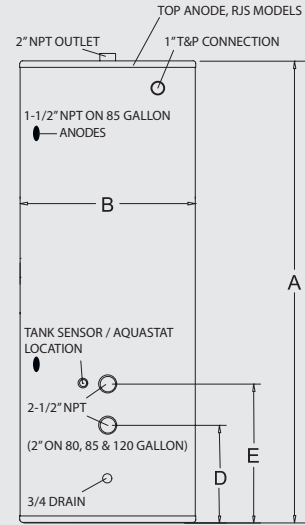
## VERTICAL ROUND JACKETED GLASS LINED TANKS

Model Number	Gal. Cap.	A	B	D	E	Shipping Weight (lbs.)	
						125 psi	150 psi
RJS080M	80	63"	25-1/4"	9-1/4"	14-1/4"	-	240
RJS085M	85	49-1/2"	28"	9-1/2"	14-1/2"	-	255
RJS120M	119	62"	29-1/2"	9-1/2"	14-1/2"	-	352
RJA120*	119	62-1/2"	28"	9-1/2"	14-1/2"	-	365
RJA175*	175	66-1/4"	32"	11-1/4"	17-1/4"	-	578
RJA200*	200	77-1/4"	32"	11-1/4"	17-1/4"	-	634

Glass Lined only

\*A = ASME Construction / S = Standard Construction

Note: RJS120M is 160 PSI working pressure



## VERTICAL ROUND JACKETED ASME TANKS

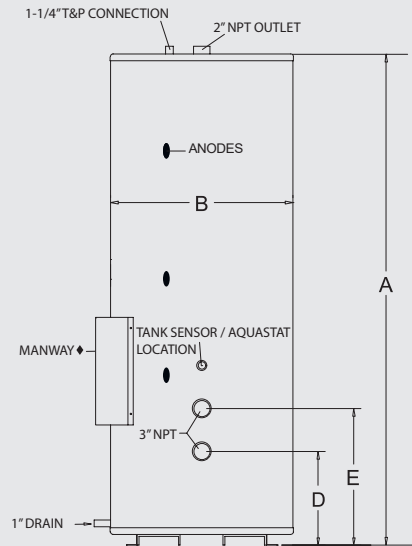
Model Number	Gal. Cap.	A	B	D	E	Shipping Weight (lbs.)	
						125 psi	150 psi
R*A0257	257	91"	34"	18"	26"	904	904
R*A0318	318	80"	40"	19-1/2"	27-1/2"	987	987
R*A0432	432	80"	46"	21"	29"	1,188	1,188
R*A0504	504	92"	46"	21"	29"	1,329	1,329
R*A0650	650	92"	52"	23-1/2"	31-1/2"	1,817	1,817
R*A0752	752	104"	52"	23-1/2"	31-1/2"	2,030	2,030
R*A0940	940	128"	52"	23-1/2"	31-1/2"	2,710	2,710

\* Indicates tank lining.

G=Glass Lined

C=Cement lined

◆ The manway is optional on 257 and 318 gallon glass-lined tanks. The manway is standard on 432 gallon glass lined tanks and larger. The manway is standard on all cement lined tanks.



## VERTICAL SQUARE JACKETED ASME TANKS

Model Number	Gal. Cap.	A	B	D	E	Shipping Weight (lbs.)	
						125 psi	150 psi
TV*1250J	1,250	132-1/2"	60-1/2"	21-1/4"	29-1/4"	2,877	3,094
TV*1500J	1,500	128-1/2"	66-1/2"	25-3/4"	31-3/4"	3,336	3,587
TV*2000J	2,000	124-1/2"	78-1/2"	28-1/4"	35-1/4"	3,525	3,790
TV*2500J	2,500	146-1/2"	82-1/2"	28-1/4"	35-1/4"	4,668	5,020

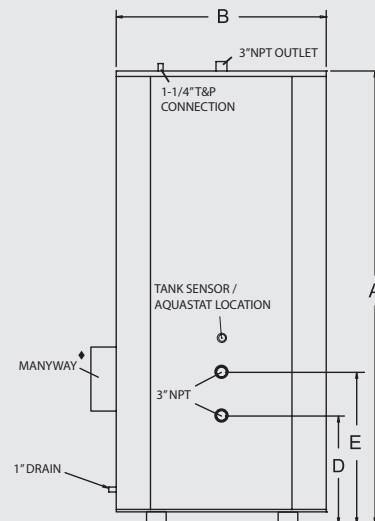
\* Indicates tank lining.

G=Glass Lined

C=Cement lined

◆ The manway is standard on these models.

Contact factory for shipping weights of cement-lined tanks.



# DIMENSIONS AND SPECIFICATIONS FOR HORIZONTAL TANKS

## HORIZONTAL ROUND JACKETED ASME TANKS

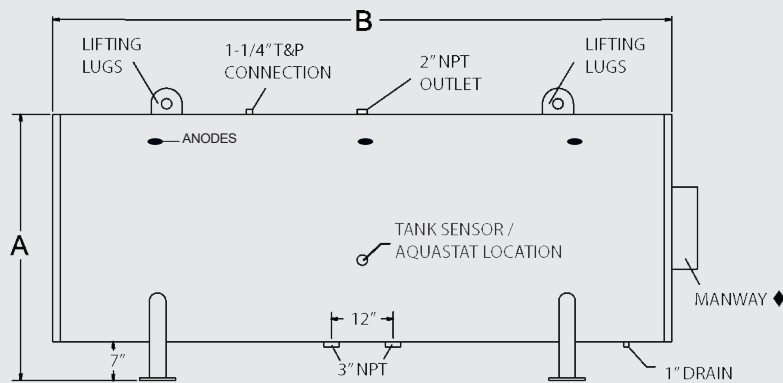
Model Number	Gallon Capacity	A	B	Diameter	Shipping Weight (lbs.)	
					125 psi	150 psi
R*A0250H	250	41"	87"	34"	1,157	1,157
R*A0300H	300	47"	76"	40"	1,355	1,355
R*A0400H	400	53"	76"	46"	1,587	1,701
R*A0500H	500	53"	88"	46"	1,711	1,853
R*A0600H	600	59"	88"	52"	2,053	2,053
R*A0700H	700	59"	100"	52"	2,399	2,399
R*A1000H	1,000	59"	124"	52"	3,114	3,114

\* Indicates tank lining.

G=Glass Lined

C=Cement lined

◆ The manway is optional on 250 and 300 gallon glass-lined tanks. The manway is standard on 400 gallon glass lined tanks and larger. The manway is standard on all cement lined tanks.



## HORIZONTAL SQUARE JACKETED ASME TANKS

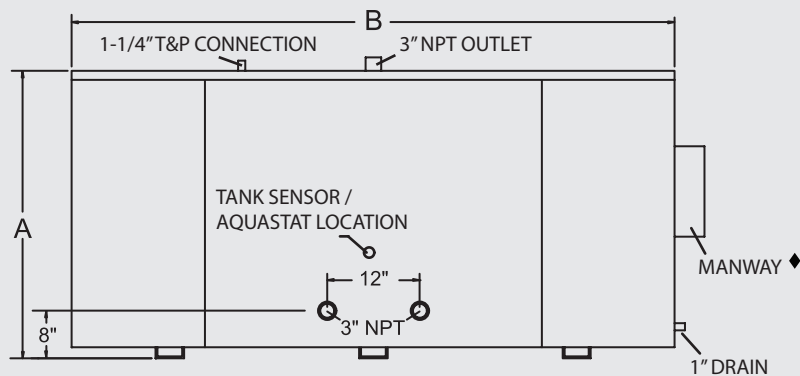
Model Number	Gallon Capacity	A	B	Depth	Shipping Weight (lbs.)	
					125 psi	150 psi
TH*1250J	1,250	68-1/2"	130-1/4"	60-1/4"	3,270	3,516
TH*1500J	1,500	74 1/2"	126-1/4"	66-1/4"	3,791	4,077
TH*2000J	2,000	80-1/2"	123-1/4"	72-1/4"	4,005	4,307
TH*2500J	2,500	86-1/2"	144-1/4"	78-1/4"	5,306	5,705

\* Indicates tank lining.

G=Glass Lined

C=Cement lined

◆ The manway is standard on these models.



# JACKETED AND INSULATED STORAGE TANKS

Lochinvar's glass lined, jacketed and insulated storage tanks have been specifically engineered and constructed to provide a high volume supply of hot water at a constant outlet temperature. The unique Lock-Temp® baffle design is so effective that 80% of the storage volume can be utilized at the stored water temperature, regardless of the rate of outlet water flow.

## GLASS LINED VESSEL

The durable glass lining is molecularly fused to the tank at 1600°F to assure long lasting protection against rust and corrosion while providing clean, clear water.

## CEMENT LINED VESSEL

The NSF approved cement lining has approximately the same coefficient of expansion as mild steel and poses no cracking potential from internal stresses. The lining is applied at a minimum thickness of 5/8".

## ASME CONSTRUCTION

ASME models are constructed in accordance with the ASME Section IV standard. The vessels are constructed for 125 PSI (standard) or 150 PSI (optional) and for 210°F maximum water temperature.

## ENERGY SAVING PERFORMANCE

All models are jacketed and insulated to meet the efficiency requirements of the latest edition of the ASHRAE 90.1 Energy Efficiency Standard. The jacket is heavy gauge, galvanized metal, painted on both sides for an attractive appearance with maximum protection. The 2" of expanded foam insulation equals an R-value of R-13 and provides low standby energy loss for optimum performance and economy.

## MAGNESIUM ANODE RODS

Large diameter, high capacity anode rods inhibit interior tank corrosion to insure a long, trouble-free life.

## MANWAY

A manway is standard on all 46" and larger tanks and all cement lined tanks.

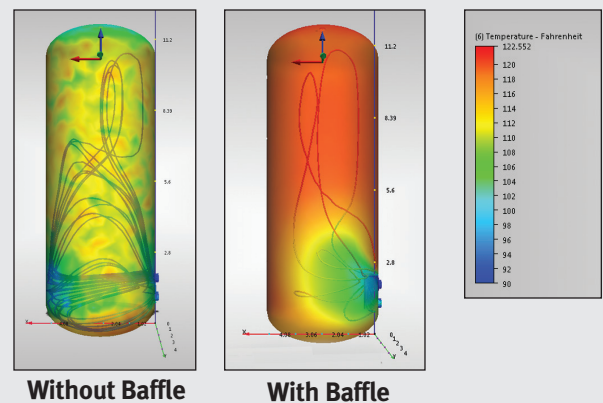
## FIVE YEAR LIMITED WARRANTY

The five-year limited warranty provides protection against tank failure resulting from defects in material or workmanship.

## ADVANTAGES OF THE LOCK-TEMP BAFFLE

In conventional storage tanks, water circulation or a heavy draw of hot water causes an incoming rush of cold water, creating turbulence in the tank's stored water supply. The result is inter-mixed hot and cold water that requires constant adjustment at the fixtures to maintain the desired temperature.

Lochinvar Lock-Temp Storage Tanks eliminate these problems with a unique inner chamber baffle that absorbs and flattens turbulence caused by incoming water. The Lock-Temp baffle also permits hot and cold water to stratify, directing the hottest water to the top of the tank and the cold water to the bottom for return to the heater.



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