



# NST

## NILES

### STEEL

#### TANK

SINCE 1898™

## WATER STORAGE VESSELS JACKETED & INSULATED TANKS

- **Glass lined steel tank** – Niles Steel Tank's Ultonium™ lining is applied to the interior surface of the steel providing a tough wear resistant lining which minimizes the effects of high temperature hot water.
- **Designed for 180°F**
- **Sturdy steel jacket** – Heavy gauge steel jacket
- **2" High density foam insulation** – Minimizes heat loss with an R value of 12.5.
- **Magnesium anode rod** – for protection and longer service life.
- **Two 3/4" Aquastat NPT fittings** – Located in the lower and upper part of the tank.
- **All tanks are constructed and certified** – in accordance with ASME IV, Part HLW for 125 PSI (862 kPa).
- **Five year limited warranty on steel tank** – provides warranty protection against tank failure resulting from defects in materials and workmanship.
- **Ten year limited warranty on steel tank (with double glass lining)** – provide superior warranty protection against tank failure. Double glass lining is not an inventory item, built upon request.



# Water Storage Vessels - Jacketed & Insulated Tanks

## Vertical Storage Tanks

Indicate: Vertical = V

### Dimensions

Part No.	Nominal Gal. Cap.	Actual Gal. Cap.	Vert. Height	Horiz. Height	"L"	"D"	Base Clearance	"H"	Diameter	Tapping "A"	Tapping "B"	Tapping "C"	Weight @125#
JS-30-063	193	175	69"	41"	67"	18"	2"	19.5"	34"	2.5"	1"	3"	438
JS-30-075	229	210	81"	41"	79"	24"	2"	19.5"	34"	2.5"	1"	3"	493
JS-30-085	260	240	91"	41"	89"	29"	2"	19.5"	34"	2.5"	1"	3"	539
JS-30-099	303	280	105"	41"	103"	36"	2"	19.5"	34"	2.5"	1"	3"	603
JS-30-111	340	320	117"	41"	115"	42"	2"	19.5"	34"	2.5"	1"	3"	658
JS-36-072	318	285	78"	47"	76"	21"	2"	21"	40"	2.5"	1"	3"	667
JS-36-078	344	310	84"	47"	82"	24"	2"	21"	40"	2.5"	1"	3"	710
JS-36-085	375	340	91"	47"	89"	27.5"	2"	21"	40"	2.5"	1"	3"	760
JS-36-090	397	360	96"	47"	94"	30"	2"	21"	40"	2.5"	1"	3"	796
JS-36-102	449	415	108"	47"	106"	36"	2"	21"	40"	2.5"	1"	3"	881
JS-36-114	502	465	120"	47"	118"	42"	2"	21"	40"	2.5"	1"	3"	967
JS-36-126	555	515	132"	47"	130"	48"	2"	21"	40"	2.5"	1"	3"	1,053
JS-42-081	486	435	87"	53"	85"	24"	2"	22.5"	46"	3"	1"	3"	917
JS-42-084	504	453	87"	53"	88"	25.5"	2"	22.5"	46"	3"	1"	3"	942
JS-42-093	558	505	91"	53"	97"	30"	2"	22.5"	46"	3"	1"	3"	1,017
JS-42-105	630	575	99"	53"	109"	36"	2"	22.5"	46"	3"	1"	3"	1,117
JS-42-117	702	645	111"	53"	121"	42"	2"	22.5"	46"	3"	1"	3"	1,217
JS-42-129	774	720	123"	53"	133"	48"	2"	22.5"	46"	3"	1"	3"	1,317
JS-42-139	846	790	145"	53"	143"	53"	2"	22.5"	46"	3"	1"	3"	1,400
JS-48-073	572	500	79"	59"	77"	18.5"	2"	24"	52"	3"	1"	3"	1,176
JS-48-084	658	580	90"	59"	88"	24"	2"	24"	52"	3"	1"	3"	1,310
JS-48-096	752	675	102"	59"	100"	30"	2"	24"	52"	3"	1"	3"	1,456
JS-48-108	846	765	114"	59"	112"	36"	2"	24"	52"	3"	1"	3"	1,602
JS-48-120	940	840	126"	59"	124"	42"	2"	24"	52"	3"	1"	3"	1,748
JS-48-141	1128	1040	147"	59"	145"	52.5"	2"	24"	52"	3"	1"	3"	2,003

### W-H-196 Test = 7.0 - 8.0 mg/in2

The W-H-196 Test is required for water heaters sold to the U.S. Government.

The test consists of exposing the enamel to a boiling (212 F) 4/10% solution of Sodium Bicarbonate for eight (8), eighteen (18) hour cycles. Maximum weight loss after eight cycles is not to exceed 15 mg/in2 .

### PEI T-21 Spot Acid Test = Class A

PEI T-21 Spot Acid Test is used to determine enamel resistance to acids. The test area is examined for visible effects on the enamel and is graded from Class AA (no sign of etching) to Class D (etched surface).

### Impact resistance = Class 4 to 5

The Impact Resistance Test is used to determine the adhesive qualities of enamel to the substrate. The enamel is graded from Class 1 (worst) to Class 5 (best), fractured glass adhering solidly to the impact area. Class 3 is acceptable.

### Hi-Pot Test Less than 20

The HYPO Test is a measurement of the continuity of the glass coating (Spark Test). Fifty (50) breakthroughs or fewer are the usual specification for HWT's.

### Factory Options Include:

Epoxy Lining	EX
Double glass coating	DG **
Manway 12" x 16"	MW
Hand hole 4" x 6"	HH
Lifting Lugs	LL
Stainless Steel construction	SS
150 psi	5
Add suffix on model number to indicate options	

\*\*Not available below 240 gallons



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