

STORAGE TANKS

State Custom Storage Tanks

State Custom Storage Tanks are designed for storing potable water. Fitting locations of these custom-line tanks match the needs of normal installations.



For Copper Tube Tank Heaters consult the factory.

■ Limited Warranty Outline

- Glass-Lined, Cement, Epoxy: If the tank should leak any time during the first five years, under the terms of the warranty, State Water Heaters will repair or replace the tank; installation, handling and local delivery extra. The Coil has a one year limited warranty.
- NOTE: This Outline Is NOT A Warranty. For complete information, consult the written warranty or State Water Heaters.

- **Sizes from 80 to 12,500 Gallons** – ASME Code steel tanks are constructed of Code material.
- **ASME Code Construction** – All tanks are constructed to the requirements of the ASME Code. These ASME Code tanks are available at 125, 150 & 160 PSI working pressure. Consult factory for ASME code tanks are with greater or lesser working pressures with special configurations, materials and pressures.
- **Lining and Coatings** – Each lining and coating has particular capabilities and limitations. Please consult the factory or your local State Water Heater representative for recommendations on the uses of linings for specific applications. Lined tanks receive one prime coat of paint on external surface. Thorough investigation on the service life of steel tanks with protective coatings or linings has led to the recommendation of the following linings:
 - **Glass-lined** – All internal surfaces exposed to water are glass-lined per ASME HLW code procedures.
 - **Cement Lined** – Cement lining consists of a careful hand application of a specially formulated cement over the interior of the vessel. This lining adds a great deal of weight to the tank; however, with proper application very little tank corrosion occurs over a long life.
 - **Epoxy Lined** – The application of specially formulated epoxy makes this lining suitable for cold or hot water storage.
- **Cathodic Protection** – Glass-lined, cement and epoxy tanks are furnished with anodes designed for maximum protection.
- All tanks will be supplied with the fittings located as indicated on the drawings unless specified otherwise.
- **Inspection Openings**
 - **Glass-lined** – Manhole and handhole openings are available as optional feature.
 - **Cement Lined** – One 11" x 15" manhole standard equipment on 30" diameter and larger.
 - **Epoxy Lined** – One 11" x 15" manhole standard equipment on 30" diameter and larger.
- **Optional**
 - Military specification tanks
 - Manholes, handholes, additional openings, lifting lugs, angle legs, ring base and saddles are available at extra cost.

For more information on Storage Tanks contact:
 State Water Heaters
 500 Tennessee Waltz Parkway, Ashland City, TN 37015
 800-365-0024 Toll-free USA
 www.statewaterheaters.com

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SPECIFICATIONS

Model	Nominal Gallon Capacity	ASME	Standard Working Pressure	Dimensions In Inches							
				A	B	C	D	E	F	G	H
UGV 20 00080 VA125	8	Yes	125	2	¾	1 ½	6	¾	20	60	6
UGV 20 00100 VA125	100	Yes	125	2	¾	1 ½	6	¾	20	72	6
UGV 24 00125 VA125	125	Yes	125	2 ½	¾	2 ½	8	1	24	66	8
UGV 24 00140 VA125	140	Yes	125	2 ½	¾	2 ½	8	1	24	75	8
UGV 24 00175 VA125*	175	Yes	125	2 ½	¾	-	8	1	24	90	8
UGV 30 00175 VA125	175	Yes	125	2 ½	¾	2 ½	8	1	30	60	8
UGV 30 00200 VA125	200	Yes	125	2 ½	¾	2 ½	8	1	30	71	8
UGV 30 00250 VA125	250	Yes	125	2 ½	¾	2 ½	8	1	30	84	8
UGV 30 00300 VA125*	300	Yes	125	2 ½	¾	-	8	1	30	99	8
UGV 36 00250 VA125	250	Yes	125	2 ½	¾	2 ½	8	1	36	60	8
UGV 36 00300 VA125	300	Yes	125	2 ½	¾	2 ½	8	1	36	71	8
UGV 36 00350 VA125	350	Yes	125	2 ½	¾	2 ½	8	1	36	86	8
UGV 36 00400 VA125	400	Yes	125	2 ½	¾	2 ½	8	1	36	93	8
UGV 36 00500 VA125*	500	Yes	125	2 ½	¾	-	8	1	36	122	8
UGV 36 00550 VA125	550	Yes	125	2 ½	¾	-	8	1	36	125	8
UGV 42 00375 VA125	375	Yes	125	3	¾	2 ½	10	1	42	67	10
UGV 42 00450 VA125	450	Yes	125	3	¾	2 ½	10	1	42	79	10
UGV 42 00500 VA125	500	Yes	125	3	¾	2 ½	10	1	42	88	10
UGV 42 00600 VA125	600	Yes	125	3	¾	2 ½	10	1	42	103	10
UGV 42 00700 VA125	700	Yes	125	3	¾	2 ½	10	1	42	119	10
UGV 42 00800 VA125*	800	Yes	125	3	¾	-	10	1	42	134	10
UGV 42 00900 VA125	900	Yes	125	3	¾	3	10	1	42	150	10
UGV 42 01000 VA125	1,000	Yes	125	3	¾	3	10	1	42	166	10
UGV 48 00500 VA125	500	Yes	125	3	¾	3	10	1	48	73	10
UGV 48 00600 VA125	600	Yes	125	3	¾	3	10	1	48	81	10
UGV 48 00700 VA125	700	Yes	125	3	¾	3	10	1	48	93	10
UGV 48 00750 VA125	750	Yes	125	3	¾	3	10	1	48	105	10
UGV 48 00900 VA125	900	Yes	125	3	¾	3	10	1	48	117	10
UGV 48 01000 VA125	1,000	Yes	125	3	¾	3	10	1	48	137	10
UGV 48 01250 VA125*	1,250	Yes	125	3	¾	-	10	1	48	159	10
UGV 48 01500 VA125*	1,500	Yes	125	3	¾	-	10	1	48	190	10
UGV 48 01750 VA125	1,750	Yes	125	3	¾	3	10	1	48	220	10
UGV 48 02000 VA125	2,000	Yes	125	3	¾	3	10	1	48	250	10
UGV 54 00650 VA125	650	Yes	125	3	¾	3	10	1	54	71	10
UGV 54 00750 VA125	750	Yes	125	3	¾	3	10	1	54	81	10
UGV 54 00900 VA125	900	Yes	125	3	¾	3	10	1	54	95	10
UGV 54 01000 VA125	1,000	Yes	125	3	¾	3	10	1	54	105	10
UGV 54 01250 VA125*	1,250	Yes	125	3	¾	-	10	1	54	129	10
UGV 54 01500 VA125*	1,500	Yes	125	3	¾	-	10	1	54	153	10
UGV 54 01800 VA125*	1,800	Yes	125	3	¾	-	10	1	54	181	10
UGV 54 02000 VA125	2,000	Yes	125	3	¾	-	10	1	54	200	10
UGV 54 02500 VA125	2,500	Yes	125	3	¾	-	10	1	54	224	10
UGV 60 00800 VA125*	800	Yes	125	3	¾	-	10	1	60	72	10
UGV 60 01000 VA125*	1,000	Yes	125	3	¾	-	10	1	60	88	10
UGV 60 01250 VA125*	1,250	Yes	125	3	¾	-	10	1	60	107	10
UGV 60 01500 VA125*	1,500	Yes	125	3	¾	-	10	1	60	126	10
UGV 60 01750 VA125*	1,750	Yes	125	3	¾	-	10	1	60	146	10
UGV 60 02000 VA125*	2,000	Yes	125	3	¾	-	10	1	60	165	10
UGV 60 02250 VA125	2,200	Yes	125	3	¾	-	10	1	60	185	10
UGV 60 02500 VA125	2,500	Yes	125	3	¾	-	10	1	60	204	10
UGV 60 03000 VA125	3,000	Yes	125	3	¾	-	10	1	60	243	10
UGV 66 01000 VA125	1,000	Yes	125	3	¾	3	10	1	66	75	10
UGV 66 01500 VA125*	1,500	Yes	125	3	¾	-	10	1	66	107	10
UGV 66 02000 VA125*	2,000	Yes	125	3	¾	-	10	1	66	139	10
UGV 66 02500 VA125*	2,500	Yes	125	3	¾	-	10	1	66	171	10
UGV 66 03000 VA125	3,000	Yes	125	3	¾	-	10	1	66	203	10
UGV 66 03500 VA125	3,500	Yes	125	3	¾	-	10	1	66	235	10

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SPECIFICATIONS CONTINUED

Model	Nominal Gallon Capacity	ASME	Standard Working Pressure	Dimensions In Inches							
				A	B	C	D	E	F	G	H
UGV 72 02500 VA125*	2,500	Yes	125	3	3/4	-	10	1	72	147	10
UGV 72 03000 VA125*	3,000	Yes	125	3	3/4	-	10	1	72	174	10
UGV 72 03500 VA125*	3,500	Yes	125	3	3/4	-	10	1	72	201	10
UGV 72 04000 VA125*	4,000	Yes	125	3	3/4	-	10	1	72	228	10
UGV 72 04500 VA125*	4,500	Yes	125	3	3/4	-	10	1	72	254	10
UGV 84 04000 VA125*	4,000	Yes	125	3	3/4	-	10	1	84	173	10
UGV 84 05000 VA125*	5,000	Yes	125	3	3/4	-	10	1	84	212	10
UGV 84 06000 VA125*	6,000	Yes	125	3	3/4	-	10	1	84	252	10
UGV 84 08000 VA125*	8,000	Yes	125	3	3/4	-	10	1	84	330	10
UGV 96 07500 VA125*	7,500	Yes	125	3	3/4	-	10	1	96	244	10
UGV 96 10000 VA125*	10,000	Yes	125	3	3/4	-	10	1	96	319	10
UGV 96 12500 VA125*	12,500	Yes	125	3	3/4	-	10	1	96	395	10

Note: Listed tanks are standard sizes only, other size and capacity tanks available and will be built to specification.

*Vertical installation requires addition of angle iron legs or ring base.

It is recommended that 54" diameter and larger tanks be ordered with angle legs rather than threaded leg sockets for vertical installations.

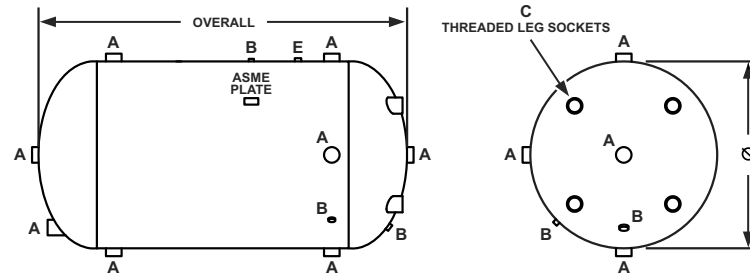
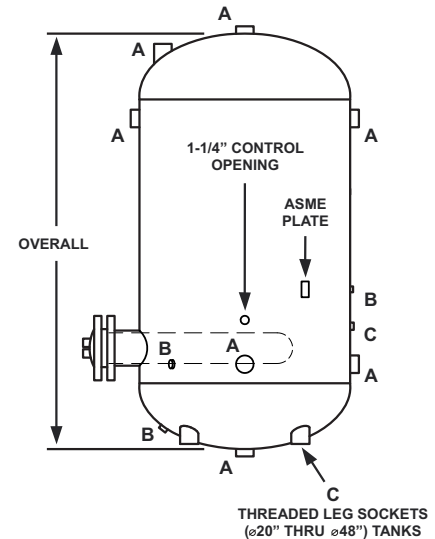
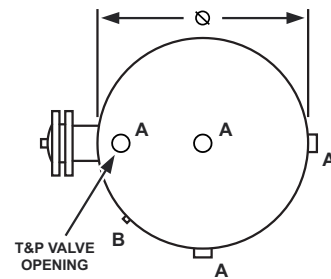
Specify for horizontal or vertical installation.

No leg sockets provided on horizontal tanks.

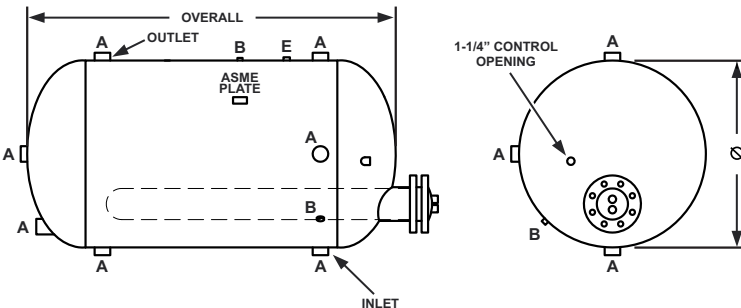
For single-wall and double-wall copper tube tank heaters, consult factory representative.

These ASME Code tanks are available at 125,150 & 160 PSI working pressure.

When factory jacketed and insulated tanks are ordered, the size and locations of the standard tank openings may differ slightly from what is shown here. Consult the factory.



State Custom Storage Tanks
(20" thru 96" Diameter Tanks)



State Custom Storage Tanks With Heating Coils
(Horizontal Configuration)

State Custom Storage Tanks With Heating Coils
(Vertical Configuration)

For more information on State® contact:
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500 Tennessee Waltz Parkway, Ashland City, TN 37015
800-365-0024 Toll-free USA
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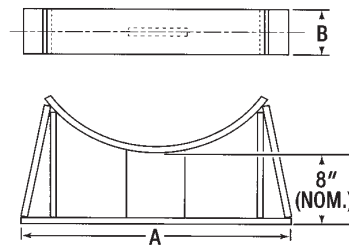


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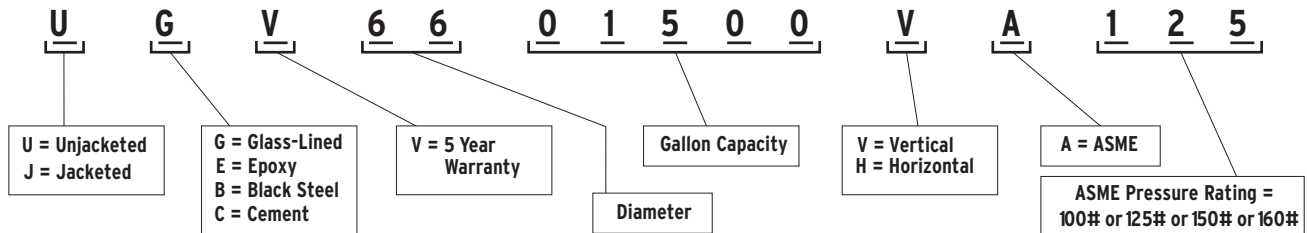
TANK SADDLES

PART NO.	TANK DIA.	A	B
P2-2600-20	20	22	6
P2-2600-24	24	26	6
P2-2600-30	30	32	6
P2-2600-36	36	38	6
P2-2600-42	42	44	6
P2-2600-48	48	50	6
P2-2600-54	54	56	8
P2-2600-60	60	62	8
P2-2600-66	66	58	8
P2-2600-72	72	74	10
P2-2600-84	84	86	10
P2-2600-96	96	98	10



Tank Saddles

Custom Commercial Storage Tank Model Number Break Down



SPECIAL NOTE: All model numbers appearing on rating plate and carton labels will be compressed. EXAMPLE: UGV6601500VA125

SUGGESTED SPECIFICATIONS

SAMPLE SPECIFICATION FOR STATE CUSTOM STORAGE TANKS

ASME storage tank shall be State Custom Storage Tank model _____. Capacity shall be _____ gallons with a diameter of _____ inches. Tank(s) shall be constructed and stamped according to ASME specifications for _____ psi working pressure. Manhole (11" x 15"), handhole (4" x 6") or inspection openings (2-2") shall be installed in accordance with ASME Code requirements and manufacturer's standard practice. Tank to be constructed of (carbon steel) _____. Lining shall be (glass, epoxy, cement) _____. Tank(s) lined with (glass, cement, epoxy) _____ lining shall be equipped with the number and size of magnesium anode rod(s) sufficient to provide adequate protection for the tank lining. Tank shall be (vertical, horizontal) _____ design and provided with (four) _____ (angle iron legs, threaded leg socket(s) _____, ring base, _____ saddles.

SAMPLE SPECIFICATION FOR TANK HEATERS

Tank heaters shall be Model No. _____ 3/4" OD 20 gauge copper "U" tubes. Heater to have _____ square feet of heating surface to heat _____ gallons per hour from _____ degrees F to _____ degrees F with heating media of _____ psi steam (or _____ degrees F boiler water). The element shall be constructed so that the entire section can be removed from the tank for cleaning and inspection.

In keeping with our policy of continuous product improvement specifications are subject to change without prior notice

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