

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by MASTER TANK & WELDING, INC., DALLAS, TEXAS
(Name and address of Manufacturer)

2. Manufactured for Agriculture Chemical Equipment Co. Dallas, Texas
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (94795) (Mfrs. Serial) (State & State No.) Natl. Bd. No. 3813 Yr. Built 1968
(Horiz. or Vert.)

4. SHELL: Matl. A-455 Flg. T.S. 73,000 Nom. 573 In. Corr. 0 In. Diam. 7 Ft. 0 In. Length 33 Ft. 8 In. OAL
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Dbl. Butt Weld T. No R.T. Spot Sectioned No Efficiency 85 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth Dbl. Butt Weld T. No R.T. Spot Sectioned No No. of Courses 2

6. HEADS: (a) Material A-212-B Flg. T.S. 70,000 (b) Material A-212-B Flg. T.S. 70,000
Location Thickness Crown Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure
(Top, bottom, ends) (Convex or Concave)
(a) End .375" 42" Concave
(b) End .375" 42" Concave

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 212 psi at max. temp. 100 °F. Min. temp. (when less than -20°) _____
Hydrostatic Pneumatic or Combination } Test Press 318 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" Location Head

9. NOZZLES: (*Additional nozzles listed below)

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Pump Reg.	<u>1</u>	<u>1"</u>	<u>Cplg.</u>	<u>A-105-II</u>			<u>Welded</u>
Pump Suct.	<u>1</u>	<u>2"</u>	<u>Cplg.</u>	<u>A-105-II</u>			<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 18" Location Head
OPENINGS: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt No Lugs _____ (Number) _____ Legs _____ (Number) _____ Other Skids Attached Welded to shell
(Yes or No) (Describe) (Where & How)

12. REMARKS: S/O # 7250 Dwg. # R-1145A Item # 8,775 W.G. Freon Storage
Thermowell 1 3/4" F.S. A-105-II Sch. 80 Welded
Spare 1 3/4" Cplg. A-105-II Welded
*Vapor 1 1-1/4" Cplg. A-105-II Welded
*Fill 1 2" Cplg. A-105-II Welded
*LLG & PG 1 3/4" Cplg. A-105-II Welded
LLG 1 2-1/2" Cplg. A-105-II Welded

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.)
If post-heat-treated.
List other internal or external pressures with coincident temperature when applicable.

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division I.

Date January 31 1968 Signed MASTER TANK & WELDING, INC. Tom Frank Heley
(Manufacturer)

Certificate of Authorization Expires 12/31/73 NOT FOR NUCLEAR OR LETHAL SERVICE

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY MASTER TANK & WELDING, INC. DALLAS, TEXAS

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province TEXAS and employed by HARTFORD STEAM BOILER INSP. & INS. of HARTFORD, CONN.

have inspected the pressure vessel described in this manufacturer's data report on January 31 1968, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date January 31 1968 N.B. # 3072
A. J. Dutton-Tex. #13