

**FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS**

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by MASTER TANK & WELDING, PETERSBURG, VIRGINIA  
(Name and address of Manufacturer)

2. Manufactured for E. Best Plumbing & Heating Supply Co. - Quincy, Ill.  
(Name and address of Purchaser)

3. Type Horizontal Vessel No. (S/O 435) (Mfrs. Serial) (State & State No.) Natl. Bd. No. 9042 Yr. Built 1976

4. SHELL: Matl. SA-612-B T.S. 81,000 Nom. Thk. .7020 In. Corr. Allow. 0 In. Diam. 9 Ft 6 In. OD Length 61 Ft 4 in.  
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Welded DBL H.T. No X.R. Complete Sectioned No Efficiency 100 %  
(Welded, Dbl. Single Lap. Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth Welded DBL H.T. No X.R. Spot Sectioned Yes No. of Courses 6

6. HEADS: (a) Material SA-455-1 T.S. (b) Material SA-455-1 T.S.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Style of Pressure (Concave or Convex)
(a) End	.4564					57"		Concave
(b) End	.4564					57"		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. 250 psi. at max. temp. 110 °F. Min. temp. (when less than -20°) \_\_\_\_\_ °F. Test Hydrostatic Press. 375 psi

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 2" Location Shell

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liquid In	2	3"	1/2 Coup.	SA-105	3000#	Self	Welded
Liquid Conn.	2	2"	"	"	"	"	"
Vapor	2	2"	Full Coup.	"	"	"	"
Plug	1	2"	1/2 Coup.	"	"	"	"
Relief	3	2"	"	"	"	"	"
Roto Gauge	1	1"	"	"	"	"	"
Gauges	2	1/4"	Full Coup.	"	6000#	"	"
Float Gauge	1	2 1/2"	1/2 Coup.	"	3000#	"	"
Thermo-well	1	3/4"	Pipe	SA-53-B	Sched. 80	"	"

10. INSPECTION Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

OPENINGS: Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. SUPPORTS: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ (Number) \_\_\_\_\_ Legs \_\_\_\_\_ (Number) \_\_\_\_\_ Other \_\_\_\_\_ (Describe) \_\_\_\_\_ Attached \_\_\_\_\_ (Where & How)

12. REMARKS: 30,000 Gal. LPG Storage Tank

Head (a) - #D-9826 - Welded double butt

Head (b) - #D-9829 - Welded single butt with back up bar

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.-State Contents. If Postweld 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 Unfired Pressure Vessels.

Date 5-2 19 76 Signed Master Tank & Welding  
(Manufacturer)

Certificate of Authorization No. 11,092 Expires 7-9-77

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY: **MASTER TANK & WELDING AT PETERSBURG, VIRGINIA**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of MASSACHUSETTS and employed by COMMERCIAL UNION INSURANCE COMPANY, have inspected the pressure vessel described in this manufacturer's data report on 5-2, 19 76, 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 5-2 19 76 *[Signature]*

The Original Master Data Sheet Signed by Inspector:

Inspector's Signature

Commissions Va. 88 NB 5241

Natl. Board or State and No.