

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

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by DOWNINGTOWN IRON WORKS, INC. Div. of Pressed Steel Tank Co. Downingtown, Pa.
(Name and address of Manufacturer)

2. Manufactured for Thomas Associates Inc. Westfield, New Jersey
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (53229) () Nat'l Bd. No. 53229 Yr. Built 1963
(Horiz. or Vert.) (Mfrs. Serial) (State & Std. No.)
SA212 Gr.B FB

4. SHELL: Mat'l T.S. 70,000 ^{Nom.} Thk. 900 in. Allow. 0 in. Diam. 8 ft. 10 in. Length 67 ft. 1 in.
(Kind and Spec. No.) (Flg. or F. B. & Spec. Min. T.S.)

5. SEAMS: Long W.D.B. S.R. No X.R. Spot Sectioned No Efficiency 85 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth W.D.B. S.R. No X.R. Spot Sectioned No No. of Courses 7

6. HEADS: (a) Material SA-212 Gr.B FB T.S. 70,000 (b) Material T.S.

(Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) <u>Ends</u>	<u>.770</u>			<u>2:1</u>				<u>Concave</u>
(b)								

If removable, bolts used Other fastening

7. Constructed for Int. ^{MAW} (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)
~~Sub~~ pressure of 250 psi. Max. Temp. 650 °F. Subzero °F. Hydrostatic Test 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4-1/8" Location In manhole cover

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Misc.</u>	<u>1</u>	<u>2"</u>	<u>Pad</u>	<u>SA-212</u>	<u>1"</u>	<u>None</u>	<u>Welded</u>
<u>Misc.</u>	<u>1</u>	<u>1-1/4"</u>	<u>Thd</u>	<u>SA-106</u>	<u>Per code</u>	<u>None</u>	<u>Welded</u>
<u>Misc.</u>	<u>2</u>	<u>3/4, 2 1/2</u>	<u>Thd</u>	<u>SA-105</u>	<u>Per code</u>	<u>None</u>	<u>Welded</u>

10. INSPECTION OPENINGS: Manholes, No. 1 Size 18" I.D. Location Welded in shell
Handholes, No. Size Location
Threaded, No. Size Location

11. SUPPORTS: Skirt Lugs Legs Other None Attached
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Vessel to be used as LP gas storage tank
For non-corrosive service
For non-lethal service

If riveted or brazed describe seams fully under remarks.

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc. — State Contents.)

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

Date February 2 19 63 Signed DOWNINGTOWN IRON WORKS, INC. By J. K. Neuhauser
(Manufacturer)

Certificate of Authorization Expires 12-31-64 #174

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. 53229
VESSEL MADE BY DOWNINGTOWN IRON WORKS, INC. at Downingtown, Pa.

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF Penna. and employed by Hartford Steam Boiler Ins & Insp Co of Hartford Conn inspected internally and externally, the vessel described in this report on MAR 6 1963 19 , and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date MAR 6 1963 19
J. J. [Signature] Inspector's Signature
Commissions N.B. 4328 State or Nat'l Bd. & Number