

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules



1. Manufactured by **Downingtown Iron Works, Inc., Downingtown, Pa. Div. of Pressed Steel Tank Co., Milwaukee, Wis.**
(Name and address of Manufacturer)

PURITAN DISTRIBUTING CO.

2. Manufactured for **C/O AEROSOL FILLING DIV., 160 E. WASHINGTON ST., BOSTON 1, MASS.**
(Name and address of Purchaser)

3. Type **Horiz.** Kind **Tank** Vessel No. **25503** (Nominal Thickness **3/32** in.) Nat'l Bd. No. **25503** Yr. Built **1956**
(Horiz. or Vert.) (Tank Jacketed, Heat Exch. Mfrs. Serial (State & State No.))

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets or jackets of jackets, or shells of heat exchangers.

4. SHELL: Material **Carbon Stl. Case1066-4** T.S. Fig. **75,000** Nominal Thickness **3/32** in. Corrosion Allowance **0** in. I. D. **3** ft. **4 1/2** in. Length **16** ft. **0 1/2** in.
(Kind and Spec. No.) (Fig. or F.B. & lowest T.S.)

5. SEAMS: Long **D.B.W. With B.S.** S.R. **No** X.R. **No** Sectioned **Yes** Efficiency **80**
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material **Carbon Stl. SA-285** T.S. Fig. **55,000** (b) Material **Carbon Stl. SA-285** T.S. Fig. **55,000**
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Style to Pressure: Convex or Concave)

(a) **End 2301 Min.** (b) **End 2301 Min.** **20.25"** **20.25"** **Concave** **Concave**

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

7. STAYBOLTS: (Material) If hollow (Material) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: Describe as type & weld, bar, etc. If bar, give dimensions. If bolted, describe or sketch.

9. Constructed for **Int.** pressure of **250** psi. Max. Temp. **300** °F. Subzero °F. Hydrostatic Test **375** psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment (Welded, Bolted)

11. TUBES: Material (Kind & Spec. No.) O.D. in. Thickness in. or gage. Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jackets, shells, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. Fig. or F.B. & lowest T.S. Nominal Thickness in. Corrosion Allowance in. I. D. ft. Length ft.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) S.R. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material (Kind and Spec. No.) T.S. Fig. or F.B. & lowest T.S. (b) Material (Kind and Spec. No.) T.S. Fig. or F.B. & lowest T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Style to Pressure: Convex or Concave)

(a) Top, bottom, ends (b) Channel (c) Floating **OCT 8 1956**

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

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for **Int.** pressure of **250** psi. Max. Temp. **300** °F. Subzero °F. Hydrostatic Test **375** psi.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number **1** Size **1 1/4"** Location **In Shell**

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

Misc.	1	1 1/4"	Forging	Steel	1 15/16"	Steel	Welded
Misc.	6	1 1/4", 3/4", 1/2"	Threaded	Steel	3000#	Steel	Welded
Drain	1	1 1/4"	Threaded	Steel	3000#	Steel	Welded

18. INSPECTION OPENINGS: Manholes, No. Size Location Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) Legs **4** (Number) Other (Describe) Attached **Welded to Shell** (Where & How)

20. REMARKS: **Vessel Used As Storage Tank FOR NON-CORROSIVE SERVICE ONLY**
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.)

00 CERTIFICATE
4 0/3

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

Date OCT 9 1956, 19..... Signed Downingtown Iron Works, Inc. By [Signature]
(Manufacturer)

Certificate of Authorization Expires Dec. 31, 1958

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number H. S. B. # 25503

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 THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONN., inspected internally and externally, the vessel described in this report on....., 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 OCT 9 1956, 19.....

[Signature]
Inspector's Signature

Commissions N. B. 1827 Pa. 1919
State or Nat'l Bd. & Number

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF..... and employed by..... of....., have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items..... were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of..... psi.

Date....., 19.....

.....
Inspector's Signature

Commissions.....
State or Nat'l Bd. & Number