

**FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS**  
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by **ACF Industries, Incorporated, Milton, Pennsylvania**

2. Manufactured for **Drake and Townsend, Inc., 11 W. 42nd St., New York 18, New York**  
(Name and address of Purchaser)

3. Type: **Horiz.** Kind: **Tank** Vessel No. (**14-775-8**) (Mfrs. Serial) (State & State No.) Nat'l Bd. No. **4378** Yr. Built: **1955**

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

4. SHELL: Material: **SA-212 Grade B** T.S. **70000 F.B.** Thickness: **15/16** Corrosion Allowance: \_\_\_\_\_ in. Diam: **10.3-9/16** ft. Length: **49 ft. 11-1/2**

5. SHAMS: Long: **F.W. D.B.** S.R. **Yes** X.R. **COMPL.** Sectioned: **No** Efficiency: **95** %  
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth: **F.W. D.B.** S.R. **Yes** X.R. **COMPL.** Sectioned: **No** No. of Courses: **5**

6. HEADS: (a) Material: **SA-212 Gr. "B"** T.S. **70000** (b) Material: **SA-212 Gr. "B"** T.S. **70000**  
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter  
(Top, bottom, ends) (Convex or Concave)  
(a) End **15/16** **D/4 Ell** **Concave**  
(b) End **15/16** **D/4 Ell** **Concave**

If removable, bolts used \_\_\_\_\_ Other fastening: \_\_\_\_\_ (Describe or Attach Sketch)

7. STAYBOLTS: \_\_\_\_\_ If hollow: \_\_\_\_\_ Attachment: \_\_\_\_\_ Pitch: \_\_\_\_\_ X \_\_\_\_\_ Diam: \_\_\_\_\_  
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKBT CLOSURE: \_\_\_\_\_ (Describe as ogee & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for **Int.** pressure of **250** psi. Max. Temp. **650** °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test: **400** psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material: \_\_\_\_\_ O.D. \_\_\_\_\_ in. Thickness: \_\_\_\_\_ in. Attachment: \_\_\_\_\_  
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material: \_\_\_\_\_ O.D. \_\_\_\_\_ in. Thickness: \_\_\_\_\_ in. Attachment: \_\_\_\_\_  
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

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

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

12. SHELL: Material: \_\_\_\_\_ T.S. \_\_\_\_\_ Thickness: \_\_\_\_\_ in. Allowance: \_\_\_\_\_ in. Diam: \_\_\_\_\_ ft. Length: \_\_\_\_\_ ft. in.

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

Girth: \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned: \_\_\_\_\_ No. of Courses: \_\_\_\_\_

14. Heads (a) Material: \_\_\_\_\_ T.S. \_\_\_\_\_ (b) Material: \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material: \_\_\_\_\_ T.S. \_\_\_\_\_  
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter  
(Top, bottom, ends) (Convex or Concave)

(b) Channel \_\_\_\_\_  
(c) Floating \_\_\_\_\_  
If removable, bolts used (a) \_\_\_\_\_ (Material, Spec. No., T.S., Size, Number) (b) \_\_\_\_\_  
(c) \_\_\_\_\_ Other fastening: \_\_\_\_\_ (Describe or Attach Sketch)

15. Constructed for **Int.** pressure of \_\_\_\_\_ psi. Max. Temp. \_\_\_\_\_ °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test: \_\_\_\_\_ psi.

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number: **2** Size: **4-1/16"** Location: **Manway cover**

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

18. INSPECTION OPENINGS: Manholes, No. **1** Size: **20"** Location: **Top End of Tank** **Steel Welded**  
Handholes, No. \_\_\_\_\_ Size: \_\_\_\_\_ Location: \_\_\_\_\_  
Threaded, No. \_\_\_\_\_ Size: \_\_\_\_\_ Location: \_\_\_\_\_

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

20. REMARKS: **Vessel fabricated and intended for service as an Unfired Pressure Vessel Under 1952 Code, W-XR-SR (Propane)**  
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.) (Over)