

**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. (**1V-775-1**) (Mfrs. Serial) (State & State No.) Nat'l Bd. No. **4371** Yr. Built **1955**  
 ((Horiz. or Vert.) (Tank, Jacketed, Heat Exch.)

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. SHBL: Material **SA-212 Grade B** T.S. **70000 F.B.** Thickness **15/16** Corrosion Allowance in. in. Diam. **10.3-9/16** ft. in. Length **49 ft. 11-1/2** in.  
 (Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)  
 5. SBAMS: 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 Side to Pressure (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 \_\_\_\_\_  
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

7. STAYBOLTS: (Material) If hollow \_\_\_\_\_ Attachment \_\_\_\_\_ Pitch \_\_\_\_\_ Diam. \_\_\_\_\_  
 (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)  
 8. JACKET 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 \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)  
 Floating. Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
 (Kind & Spec. No.)  
 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. SHBL: Material \_\_\_\_\_ T.S. \_\_\_\_\_ Thickness \_\_\_\_\_ in. Allowance \_\_\_\_\_ in. Diam. \_\_\_\_\_ ft. in. Length \_\_\_\_\_ ft. in.  
 (Kind and Spec. No.) (Fig. or F. B. & lowest T. S.) Corrosion  
 13. SBAMS: 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 Side to Pressure (Convex or Concave)  
 (a) Top, bottom, ends \_\_\_\_\_  
 (b) Channel \_\_\_\_\_  
 (c) Floating \_\_\_\_\_  
 If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_  
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)  
 (c) \_\_\_\_\_ Other fastening \_\_\_\_\_  
 (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

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 Manholes, No. **1** Size **20"** Location **Top End of Tank** **Steel Welded**  
 OPENINGS: Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 19. SUPPORTS: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ (Number) \_\_\_\_\_ Legs \_\_\_\_\_ (Number) \_\_\_\_\_ Other \_\_\_\_\_ (Describe) Attached \_\_\_\_\_ (Where & How)  
 (Yes or No) (Number) (Number)  
 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)