

**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 & Townsend, Inc., 11 W. 42nd St., New York 36, New York  
(Name and address of Purchaser)  
 3. Type Horiz. Kind Tank Vessel No. 14-875-1 (Mfg. Serial) (State & State No.)  
 Nat'l Bd. No. 4530 Yr. Built 1956  
(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. SHLL: Material SA-212 Gr. "B" T.S. 70000 F.B. Thickness 15/16 Corrosion Allowance \_\_\_\_\_ in. Diam. 10 ft 3-9/16 Length 49 ft 11-1/2  
(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

If riveted describe seams fully on reverse side of form

6. HEADS: (a) Material SA-212 Gr. "B" T.S. 70000 (b) Material SA-212 Gr. "B" T.S. 70000  
(Convex or Concave)  
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter  
 (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)

7. STAYBOLTS: \_\_\_\_\_ If hollow \_\_\_\_\_ Attachment \_\_\_\_\_ Pitch \_\_\_\_\_ X \_\_\_\_\_ Diam. \_\_\_\_\_  
(Material) (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 250 psi, Max. Temp. 650 °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test 400 psi  
(Int.) (Ext.)

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. SHLL: Material \_\_\_\_\_ T.S. \_\_\_\_\_ Thickness \_\_\_\_\_ in. Corrosion Allowance \_\_\_\_\_ in. Diam. \_\_\_\_\_ ft. Length \_\_\_\_\_ ft. in.  
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

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 \_\_\_\_\_

If riveted describe seams fully on reverse side of form

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

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

15. Constructed for 250 psi, Max. Temp. 650 °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test 400 psi  
(Int.) (Ext.)

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 \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached \_\_\_\_\_  
(Yes or No) (Number) (Number) (Describe) (Where & How)

20. REMARKS: Vessel fabricated and intended for service as an unfired pressure vessel under 1952 Code, W-XR-SR (Propane)  
(Over)  
 Description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.