

**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. (14-775-15) (Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)  
Natl Bd. No. 4385 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. SHLL: Material SA-212 Grade B T.S. 70000 F.B. Thickness 15/16 Corrosion Allowance \_\_\_\_\_ in. Diam. 10 ft. 3-9/16 in. Length 49 ft. 11-1/2 in.

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

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 \_\_\_\_\_ (Welded, Bolted)  
(Kind & Spec. No.) (Subject to Pressure)

Floating. Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
(Kind & Spec. No.)

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

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. in. Length \_\_\_\_\_ ft. in.

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 (Convex or Concave)

(a) Top, bottom, ends \_\_\_\_\_  
(b) Channel \_\_\_\_\_  
(c) Floating \_\_\_\_\_

If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_ (c) \_\_\_\_\_  
(Material, Spec. No., T.S., Size, Number) (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 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)

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)