

**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. (14-775-3) (Mfrs. Serial) (State & State No.)  
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)  
Nat'l Bd. No. 4373 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 ft. 3-9/16 in. Length 49 ft. 11-1/2 in.  
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

9. SEAMS: 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  
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 \_\_\_\_\_ (Material, Spec. No., T.S., Size, Number) Other fastening \_\_\_\_\_ (Describe or Attach Sketch)

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

8. JACKET CLOSURE: \_\_\_\_\_ (Describe as open & 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. SHELL: 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. SEAMS: 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. \_\_\_\_\_  
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) \_\_\_\_\_ (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 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 \_\_\_\_\_ Attached \_\_\_\_\_ (Where & How)  
(Yes or No) (Describe)

20. REMARKS: Vessel Fabricated and Intended for Service as an Unfired Pressure Vessel Under 1952 Code, W-XR-SR (Propane) (Over)

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

20. REMARKS: Vessel Fabricated and Intended for Service as an Unfired Pressure Vessel Under 1952 Code, W-XR-SR (Propane) (Over)

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.)