

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. 14-275-12 (Mfg. Serial) (State & State No.) Nat'l Bd. No. 4547 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. 3-2/16 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

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 Side to Pressure (Convex or Concave)
(Top, bottom, ends)
(a) End 15/16" D/4 Ell.
(b) End 15/16" D/4 Ell.
If removable, bolts used _____ Other fastening _____ (Describe or Attach Sketch)

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

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

11. TUBES: Material _____ O.D. _____ in. Thickness _____ 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. Length _____ ft. in.
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

13. 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 _____ 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) _____ (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.
{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 _____ (Number) _____ Legs _____ (Number) _____ Other _____ 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, an Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.) (Over)