

PV-030

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 THOMPSON CHEMICAL COMPANY, PAWTUCKET, RHODE ISLAND
(Name and address of Purchaser)
3 Type Horiz, Kind Tank Vessel No. 14-250-2, () Nat'l Bd. No. 4512 Yr. Built 1956
(Horiz or Vert) (Tank, Jacketed, Heat Exch) (Mfg. Serial) (State & State No)

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 Gr. "B" T.S. 70000 F.B. Thickness 15/16 Corrosion Allowance 0 in. Diam. 10 ft 3-9/16 Hgt. 49 ft 11 1/2
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

5. SEAMS: Long F.W. D.J. 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)
(Top, bottom, ends)
(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 (Size of Hole) Attachments (Threaded, Welded) Pitch (Horus) (Vert.) Diam (Nom. or)

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 _____ (Welded, Bolted)
(Kind & Spec. No.) (Subject to Pressure)
Floating, Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.)

11 TUBES: 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 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 _____

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 _____ Size 6" Location Top End of Tank

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number _____ Diam. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

18 INSPECTION OPENINGS: Manholes, No. 1 Size 18" Location Top End of Tank Steel Welded
Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____
Other _____ Attached _____ (Where & How)

19 SUPPORTS: Skirt _____ Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (Where & How)
(Yes or No)
Vessel fabricated and intended for service as an unfired pressure _____

