

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 W. Ransome Co., Inc. **HOUSTON, TEXAS**
(Name and address of Manufacturer)

2. Manufactured for THE RANSOME COMPANY P.O. BOX 3047 HOUSTON, TEXAS
(Name and address of Purchaser)

3. Type Vert. Kind Jkt'd. Vessel No. H-2478-61 51 Texas Nat'l Bd No. 2726 Yr. Bldt. 1962
(Horis. 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 tank), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material (Kind and Spec. No.) T.S. Thickness in Corrosion Allowance in Diam. in Length ft. in.

5. SEAMS: Long (Welded, DBL, Single, Lap, Butt) S.R. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form

Girth S.R. X.R. Sectioned No. of Courses T.S.

6. HEADS: (a) Material T.S. (b) Material T.S.
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) (b)

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

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

8. JACKET CLOSURE: (Describe as type & weld, bolt, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for Int. pressure of 15 psi Max. Temp. 650 °F Subzero -320 °F Hydrostatic Test 800 psi

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. in Thickness in Attachment (Welded, Bolted)

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

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

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material Spherical * T.S. 95,000 Thickness 7/32 in. Corrosion Allowance 0 in. Diam. 3.120 1/2 Length = ft. in.

13. SEAMS: Long (Welded, DBL, Single, Lap, Butt) S.R. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form

Girth SW W/B, U.S. S.R. YES X.R. COMP. Sectioned NO Efficiency 90%

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 390 psi 15 psi Max. Temp. 650 °F Subzero -320 °F Hydrostatic Test 800 psi

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number Size Location

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

18. INSPECTION MANHOLES, NO OPENINGS: Handholes, No Threaded, No Size Location

19. SUPPORTS: Skirt (Yes or No) Leg (Number) Leg Three (3) Other (Describe) Attached Wld. to U.S. Shell.

20. REMARKS: LIQUID OXYGEN SPHERE

