

NB

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

S-14R-2

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only
As required by the Provisions of the ASME Code Section VIII Division I and the National Board

1. Manufactured by Whiting Metals, Inc., Camden, S. C. 29020
(Name and address of Manufacturer)

2. Manufactured for Hardwicke Chemical Co., Elgin, S. C.
(Name and address of Purchaser)

3. Type Vert. Vessel No. F-2412-4 (Mfr. Serial) (State & Std. No.) Part Bld. No. 343 Yr. Built 1978

4. SHELL: Mat'l SA-240 T.S. 75M Nom. 5/16 in. Allow. 0 in. Diam. 5 ft. 0 in. Length 8 ft. 0 in.
(Kind and Spec. No.) (Elev. or F. H. & Spec. Min. T.S.)

5. SEAMS: Long Wld, Dbl, Butt H.T. No R.T. No Sectioned No Efficiency 70 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth Wld, Sgl, Butt H.T. No R.T. No Sectional No No. of Courses 1
(Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material SA-240-304 T.S. 75M (b) Material T.S.
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Side to Pressure Diameter (Convex or Concave)
(a) Top & Btm 5/16" N 48 6 1/2 Concave
(b) _____

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

7. Constructed for max. F. Vac. allowable working press. 2 100 psi, at max. temp. 250 °F Min. temp. (when less than 250) _____ °F. Hydrostatic Pneumatic or Combination } Test Press. 150 psi

8. SAFETY OR RELIEF VALVE OUTLETS: Number _____ Size _____ Location _____

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	2	2"	Flg	181-1	150		Wld
Outlet	2	2"	Flg	181-1	150		Wld
Temp	1	1 1/4"	Scr	304	3000		Wld

10. INSPECTION Manholes, No. _____ Size _____ Location _____
OPENINGS Handholes, No. 1 Size 8" Location Shell
Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ Legs (4) Other _____ Attached Wld, Shell
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 1230 gallon vacuum receiver for non-corrosive service, contents unknown, non-removable backing bar on top head - shell seam.

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

1 If Postweld Heat Treated 2 If at other internal or external pressures with coincident temperature when applicable.

We certify that the statements made in this report are correct and that all details of design, material, construction and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels, Section VIII, Division I.

Date 10/25 19 78 Signed Whiting Metals, Inc. By J. R. Cohn
(Manufacturer)

Certificate of Authorization Expires 1-31-79 #10330

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Whiting Metals, Inc., Camden, S. C.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Royal Indemnity of New York, New York have inspected the pressure vessel described in this manufacturer's data report on 10/25/78 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 10/25/78
Edwin H. Little
Inspector Signature

Commission NB 7407
Natl. Board, State, Province and No.