

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
as required by the provisions of the ASME Code rules, Section VIII, Division 1

DG-205
E53
out of
Commission
was 6-22-81

1. Manufactured and certified by The Pfaudler Company, 820 Taylor St., Elyria, OH 44035 USA
(name and address of manufacturer)

2. Manufactured for Hardwicke Chemical Co., Box 50A Route 2, Elgin, SC
P.O. E3727
(name and address of purchaser)

3. Location of installation Hardwicke Chemical Co., Instate 20 @ Elgin Exit, Elgin, SC
(name and address)

4. Type: Vert. Tank E284-0466 -- C-2107742 43037 1984
(horiz. or vert., tank) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Code, Section VIII, Division 1: 1983
Win. 83 1251-1
(addenda (date)) (Code Case no.) (special service per UG-120(d))

6. Shell: SA-285 GRB 3/8 0 5 0 6 3
(mat'l. (spec. no., grade)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: DBFW -- 70 -- -- DBFW -- 1
(long. (welded, dbl., angl. lap, butt)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time (hr.)) (girth (welded, dbl., angl. lap, butt)) (RT (spot, partial, or full)) (no. of courses)

8. Heads: (a) SA-285 GRB (b) SA-285 GRB
(mat'l. (spec. no., grade)) (mat'l. (spec. no., grade))

	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	Top	.3125	0	60	4	--	--	--	--	Concave
(b)	Bottom	.3125	0	60	4	--	--	--	--	Concave

If removable, bolts used (describe other fastenings): --
(mat'l., spec. no., gr., size, no.)

9. MAWP: FV to 50 at max. temp. 450 Min. temp. -- Hydro. -- test pressure 50
(psi) (°F) (when less than -20°F) (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Number	Dia. or Size	Type	Mat'l.	Nom. Thickness	Reinforcement Material	How Attached	Location
Manhole	1	18"	Flgd.	Case 1251-1	50#	--	Welded	TOP HD
Inlet	3	3"	Flgd.	Case 1251-1	150#	--	Welded	TOP HD
Outlet	1	3"	Flgd.	Case 1251-1	150#	--	Welded	BOT HD
--	--	--	--	--	--	--	--	--

11. Supports: Skirt NO Lugs -- Legs 4 Other -- Attached Welded to BO
(yes or no) (no.) (no.) (describe) (where & how) HD

12. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: --

(name of part, item number, mfr's. name and identifying stamp)

Model CV 60-1000-50 PCW glass lined for chemical service.

SCANNED

CERTIFICATE OF SHOP COMPLIANCE

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 Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 111 expires 4-21-1986
Date 8-28-84 Name The Pfaudler Company Signed Phil Stahn
(manufacturer) (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by The Pfaudler Company at Elyria, Ohio
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of Ohio and employed by H.S.B.I. & I. CO.
of Hartford, CT have inspected the component described in this Manufacturers' Data Report on 8-28, 1984 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the ASME Code Section VIII, Division 1. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' 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 8-28, 1984 Signed Richard R. Cochrane Commissions NQ8838 Off Comm
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state, prov. and no.)