

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 I

1. Manufactured by Kenosha Boiler & Structural Co., Kenosha, Wisconsin
(Name and address of Manufacturer)

2. Manufactured for Cardox Div. - Chemetron Corp., Monee, Illinois
(Name and address of Purchaser)

3. Type Horizontal Vessel No. C5660-312 (Mfrs. Serial) (State & State No.) Natl. Bd. No. 216 Yr. Built 1974
(Horiz. or Vert.)

4. SHELL: Matl. SA-515 T.S. 70,000 Nom. 9/16 Corr. In. Diam. 3 Ft. 6 In. Length 8 Fr. 6 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) (Spot or Complete) (Yes or No)

5. SEAMS: Long Dbl. Butt H.T. No R.T. Spot Sectioned No Efficiency 85 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No)¹ (Spot or Complete) (Yes or No)
 Girth Dbl. Butt H.T. No R.T. Spot Sectioned No No. of Courses 2

If riveted or brazed describe seems fully under remarks.

6. HEADS: (a) Material SA-515 T.S. 70,000 (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) Ends 1/2 2:1 Concave
 (b) _____

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

7. Constructed for max. allowable working press.² 363 psi at max. temp. 650 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Pneumatic or Combination } Test Press 550 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
	<u>1</u>	<u>2"</u>	<u>Pipe</u>	<u>304 SS</u>	<u>Sch 80</u>		<u>Welded</u>
	<u>1</u>	<u>1 1/2"</u>	<u>Pipe</u>	<u>304 SS</u>	<u>Sch 80</u>		<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 15" Location Head
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

12. REMARKS (List applicable special services in accordance with UG-120(d)):
2-3/4 Ton Refrigeration Tank for Carbon Dioxide
Cardox Dwg. D46506 - Rev. "F"
Serial No. A-312

9. Cont'd.

<u>1</u>	<u>1"</u>	<u>Pipe</u>	<u>Steel</u>	<u>XH</u>	<u>Welded</u>
<u>1</u>	<u>4"</u>	<u>Pipe</u>	<u>SA53 GR.B</u>	<u>XH</u>	<u>Welded</u>
<u>2</u>	<u>1/2"</u>	<u>Coupling</u>	<u>Steel</u>	<u>3000#</u>	<u>Welded</u>

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc. - State Contents. ¹ If postweld heat-treated. ² List 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 Pressure Vessels, Section VIII, Division I.
 Date December 10 19 74 Signed Kenosha Blr. & Struct. Co. By G. Allen Jackson
(Manufacturer)

Certificate of Authorization No. 11,529 Expires May 17, 1975

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Kenosha Blr. & Struct. Co., Kenosha, Wisconsin

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Wisconsin and employed by Dept. of Industry, Labor & Human Relations, Madison, Wisconsin have inspected the pressure vessel described in this manufacturer's data report on December 10 1974 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 December 10 19 74 N.B. 7502 Mass. 1227
Wayne H. Bradman Commissions Wis. 191 Ohio Comm. _____
Inspector's Signature National Board, State, Province, and No.