

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

1. Manufactured by Kenosha Boiler & Structural Co., Kenosha, Wisconsin
 2. Manufactured for Chemetron Fire Systems, Monee, Illinois
 3. Location of installation Not Known - Built for Stock
 4. Type Horiz. C-6768-589 D47301 - Rev. AJ 579 (Year Built) 1978
(Horiz. or vert. tank) (Mfg's Serial No.) (CRN) (Drawing No.) (Net'l Brd No.)
 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 Rules, Section VIII, Division 1 1977 and Addenda to Jan. 1978 and Code Case Nos. None
(Year) (Date)
 Special Service per UG-120(d) None
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None

6. Shell: Matl. SA-612 GR.B ^{Nom.} 7.087 in. ^{Corr.} 0 in. Diam. 78 in. Lgth. 28 ft 0 in.
(Spec. No., Grade) (Allow.)
 7. Seams: Long. Wld. Dbl. Butt r.t. Full Efficiency 100 % H.T. Temp. - F Time - hr
(Welded, Dbl, Singl. Lap, Butt) (Spot or Full)
 Girth Welded - Double Butt r.t. Full No. of Courses 3
(Welded, Dbl, Singl. Lap, Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SA-612 GR.B (b) Material SA-612 GR.B
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemiph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) <u>End</u>	<u>.7021</u>	<u>0</u>			<u>2:1</u>				<u>Concave</u>
(b) <u>End</u>	<u>.7021</u>	<u>0</u>			<u>2:1</u>				<u>Concave</u>

If removable, bolts used (describe other fastenings) _____

9. Constructed for max. allowable working pressure 363 psi at max. temp. 200° F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 550 psi.
(Material, Spec. No., Gr., Size, No.)

10. Safety Valve Outlets: Number _____ Size _____ Location _____

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
<u>Manway</u>	<u>1</u>	<u>17-3/40.D.</u>	<u>Circular</u>	<u>SA-105</u>	<u>1-3/8</u>	<u>None</u>	<u>Welded</u>	<u>Head</u>
	<u>1</u>	<u>3"</u>	<u>S'mless Pipe</u>	<u>SA-106B</u>	<u>Sch.80</u>	<u>None</u>	<u>Welded</u>	
	<u>2</u>	<u>2"</u>	<u>S'mless Pipe</u>	<u>SA-106B</u>	<u>Sch.80</u>	<u>None</u>	<u>Welded</u>	
	<u>6</u>	<u>1 1/2"</u>	<u>S'mless Pipe</u>	<u>SA-106B</u>	<u>Sch.80</u>	<u>None</u>	<u>Welded</u>	
	<u>2</u>	<u>1"</u>	<u>S'mless Pipe</u>	<u>SA-106B</u>	<u>Sch.80</u>	<u>None</u>	<u>Welded</u>	

12. Supports: Skirt NO Lugs NO Legs NO Other _____ Attached _____
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: 31 - Ton Refrig. Tank for Carbon Dioxide with Refrig. Coil
78" I.D. Unfired Pressure Vessel
Serial No. K589W3

CERTIFICATE OF 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.

Date 7-5-78 Signed Kenosha Blr. & Struct. Co. by [Signature]
(Manufacturer) (Representative)
 "U" Certificate of Authorization No. 11529 expires May 17, 19 81

CERTIFICATE OF SHOP INSPECTION

Vessel made by Kenosha Blr. & Struct. Co. at Kenosha, Wisconsin

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Wisconsin and employed by D. I. L. H. R. have inspected the pressure vessel described in this Manufacturers' Data Report on 7-5- 19 78, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with 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.

Signed [Signature] Date 7-5-78 Commissions N.B. 3322N Ohio Comm. Wis.9 Penn.WC2404
(Inspector) (Net'l Board, State, Province and No.)