

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 and certified by Kenosha Boiler & Structural Co., Kenosha, Wisconsin 53141
(name and address of manufacturer)
2. Manufactured for Chemetron Fire Systems, University Park, Illinois 60466
(name and address of purchaser)
3. Location of installation Not Known - Built for Stock
(name and address)
4. Type: Horizontal D0535-945 D0535 941 1986
(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
W85
(addenda (date)) (Code Case no.) (special service per UG-120(d)) (year)
6. Shell: SA-612 0.4387 0 3'6" 5'8"
(mat'l. (spec. no., grade)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
7. Seams: Wld. Dbl. Butt Spot 85 - - Wld. Dbl. Butt Partial 1
(long. (welded, dbl., engl. lap, butt)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time (hr.)) (girth (welded, dbl., engl. lap, butt)) (RT (spot, partial, or full)) (no. of courses)
8. Heads: (a) SA-612 (b) SA-612
(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)	End	0.375	-	-	-	2:1	-	-	-	Concave
(b)	End	0.375	-	-	-	2:1	-	-	-	Concave

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

9. MAWP: 363 at max. temp. 200 Min. temp. - Hydro., pneu. or comb. test pressure 550
(psi) (°F) (when less than -20°F) (psi)

10. Nozzles, inspection and safety valve openings: **(Pressure Relief Device to be furnished by customer)**

Purpose (inlet, outlet, drain, etc.)	No.	Dia. or Size	Type	Mat'l.	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
<u>Manway</u>	<u>1</u>	<u>15" I.D</u>	<u>Circl</u>	<u>SA-105</u>	<u>1 1/2</u>	<u>-</u>	<u>Welded</u>	<u>Head</u>
	<u>1</u>	<u>2"</u>	<u>Pipe</u>	<u>SA-312</u>	<u>Sch.80</u>	<u>-</u>	<u>Welded</u>	<u>Head</u>
	<u>1</u>	<u>1 1/2"</u>	<u>Pipe</u>	<u>SA-312</u>	<u>Sch.80</u>	<u>-</u>	<u>Welded</u>	<u>Shell</u>
	<u>1</u>	<u>1"</u>	<u>Pipe</u>	<u>SA-106B</u>	<u>Sch.80</u>	<u>-</u>	<u>Welded</u>	<u>Shell</u>

11. Supports: Skirt No Lugs No Legs No Other - Attached _____
(yes or no) (no.) (no.) (describe) (where & how)

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)

Add'l. Nozzles: 2 - 1/2", Scrd. Cplgs., SA-105, 3000 Lb., Welded Head
1 - 4" Pipe, SA-106B, Sch.80, Welded, Shell

Add'l. Brackets: 2-1/2" Rod Hangers, 1-Pipe Bracket, 2-Door Hinges
2 - Ton CO2 Storage Vessel - Serial No. K-945

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. 11529 expires 5-17-1987
Date 9-29-86 Name Kenosha Blr. & Struct. Co. Signed James McKeown
(manufacturer) (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Kenosha Boiler & Struct'l. Co. at Kenosha, Wisconsin
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of Wisconsin and employed by Lumbermans Mutual Casualty Company of Long Grove, IL have inspected the component described in this Manufacturers' Data Report on 9-29-, 1986 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. Penn WC2649
Date 9-29-, 19 86 Signed Fred C. Ouyang Commissioned Wis. 108 N.B. 8282 Ohio 9-30-80
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state, prov. and no.)