75250

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 Milwaukee Boiler Mfg. Company, Milwaukee, Wisconsin
2. Manufactured for Fire Systems Division, Chemetron Corp., Monee, Illinois
3. Location of Installation Not known
4. Type Horiz (Horiz. or vert. tank) 4029 (Mfgr's Serial No.) (CRN) D45850 (Drawing No.) 4029 (Nat'l Brd No.) (Year Built) 1977
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 1974 (Year) and Addenda to 1976 (Date) and Code Case Nos.
   Special Service per UG-120(d)
   Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
6. Shell: Matl. SA515, Gr70 (Spec. No., Grade) Nom. Thk. 11/16 in. Corr. Allow. 00 in. Diam. 54 in. Lgth. 25 ft 1 in.
7. Seams: Long. Dbl Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 % H.T. Temp. -- F Time -- hr
   Girth Dbl Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Partial (Spot, Partial, or Full) No. of Courses 3
8. Heads: (a) Material SA515 Gr. 70 (Spec. No., Grade) (b) Material (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	End	.560				2:1				Concave
(b)										

   If removable, bolts used (describe other fastenings) (Material, Spec. No., Gr., Size, No.)
9. Constructed for max. allowable working pressure 363 psi at max. temp. 650 F. Min. temp. (when less than -20 F) F. Hydrostatic, ~~pneumatic, or combination~~ test pressure 550 psi.
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
Inspection	1	15"I.C.	Round	SA181,GR.2	1-1/2		Welded	Head
	4	1-1/2"	Pipe	SA106B XH			Welded	2-Head 2shell
	2	1"	Pipe	SA106B XH			Welded	Shell
	1	1-1/2" x 1"	Cplg.	SA105 3000#			Welded	
	1	1-1/2 x 1 x 1-1/2"	Tee	SA105				

12. Supports: Skirt (Yes or no) Lugs (No.) Legs (No.) Other (6) 8" Dia. pads (Describe) Attached Shell Welded (Where and how)
13. Remarks: Refrigeration tank for nitrous oxide with refrigeration coil, Chemetron Serial No. M 1018WN (Non-Corrosion service)

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 MAY 20, 1977 Signed Milwaukee Boiler Mfg. (Manufacturer) by John C. Weber (Representative)

"U" Certificate of Authorization No. 440 expires January 30, 1980

CERTIFICATE OF SHOP INSPECTION

Vessel made by Milwaukee Boiler Mfg. Co. at Milwaukee, 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 Dept. of * have inspected the pressure vessel described in this Manufacturers' Data Report on May 20 19 77, 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 R. C. Thompson (Inspector) Date May 20, 1977 Commissions N.B. 3322 W, Wis, Pen W2290, Ohio (Nat'l Board, State, Province and No.)

(1/76) This form (E00117) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

(*) Industry, Labor and Human Relations of Wisconsin