

31 Ton CO² Vessel
w/coil
w/o dip tube

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

ORD.NO. 67520-5
SER.NO. L-2835-W3

1. Manufactured by CUSTOM PUMP DIVISION, ALLIS-CHALMERS CORP., 2100 N. Jasper St. Decatur, Ill
 2. Manufactured for Cardox, Division of Chemetron, Chicago, Ill. 62525
 3. Location of Installation _____
 4. Type Horiz. 1151 67-400-076-000 151 (Year Built) 1977
 (Horiz. or vert. tank) (Mfg'r Serial No.) (CRN) (Drawing No.) (Nat'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 1974 and Addenda to 1976 and Code Case Nos. _____
 (Year) (Date)
 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. SA-612-74-B Nom. Thk. .709 in. Corr. 0 in. Diam. 78" in. Lgth. 25 ft 0 in.
 (Spec. No., Grade)
 7. Seams: Long. Buttweld R.T. Full Efficiency 100 % H.T. Temp. No F Time No hr
 (Welded, Dbl. Sngl. Lap, Butt) (Spot or Full)
 Girth Buttweld R.T. Full No. of Courses 4
 (Welded, Dbl. Sngl. Lap, Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SA-612-74-B (b) Material SA-612-74-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)	ENDS	.702	0			2:1				Concave
(b)	ENDS	.702	0			2:1				Concave

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. 200 F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 550 psi.
 10. Safety Valve Outlets: Number _____ Size _____ Location By Others

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Coil Outlets	2	1.5"	Pipe	SA-106-B	SCH-80	NO	WELD	HEAD
Inlets & Drains	4	1.5"	Pipe	SA-106-B	SCH-80	NO	WELD	SHELL
	2	2.0"	Pipe	SA-106-B	SCH-80	NO	WELD	SHELL
	2	1.0"	Pipe	SA-106-B	SCH-80	NO	WELD	SHELL
	1	3.0"	Pipe	SA-106-B	SCH-80	NO	WELD	SHELL

12. Supports: Skirt No Lugs 2 Legs _____ Other _____ Attached Shell-Weld
 (Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: _____
31 Ton CO² Storage Vessel with 3HP coil - without dip tube
Coil not code required
Built to 1974 ASME Code Section VIII, Division I

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 7-15-77 Signed CUSTOM PUMP DIVISION, ALLIS-CHALMERS CORP. J. A. McAdoo
 (Manufacturer) (Representative)
 "U" Certificate of Authorization No. 831 expires January 31, 19 79

CERTIFICATE OF SHOP INSPECTION

Vessel made by CUSTOM PUMP DIVISION, ALLIS-CHALMERS CORP., Decatur, Ill.
 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 Illinois and employed by Hartford St. Bo. have inspected the pressure vessel described in this Manufacturers' Data Report on July 15, 1977, 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 Walter J. Plo Date 7-15-77 Commissions NB8284, OH., PA., WC2657
 (Inspector) (Nat'l Board, State, Province and No.)