

24 Ton CO2 Vessel
W/Coil
W/O Dip Tube

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS Ord. No. 67164-4
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only Ser. No L-2460-W3
As Required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by Stansteel Corporation Decatur Plant Decatur, Illinois
(Name and address of Manufacturer)

2. Manufactured for Cardox Division of Chemetron Corporation Chicago, Illinois
(Name and address of Purchaser)

3. Type Horiz Vessel No. (44466) () () Natl. Bd. No. 44514 Yr. Built 1974
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Matl. SA-515-70 T.S. 70,000 Nom. 31/32 Corr. 0 In. Diam. 6 Ft. 6 In. Length 25 Ft. 0 In. O.A.L.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) Thk. In. Allow

5. SEAMS: Long Dbl. Butt H.T. NO R.T. S POT 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 3

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA-515-70 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 13/16 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. 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 Installed in field

9. NOZZLES: * Cont #12

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Coil Inlet	2	1 1/2"	Pipe	SA-106	SCH-80	NONE	WELDED
Inlet & Outlets	2	1"	Pipe	SA-106	SCH-80	NONE	WELDED

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

11. SUPPORTS: Skirt NO Lugs _____ Legs _____ Other Lifting eyes Attached Welded to pads
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: * 2 2" Pipe SA-106 SCH-80 NONE WELDED
4 1 1/2" Pipe SA-106 SCH-80 NONE WELDED
1 3" Pipe SA-53 SCH-80 NONE WELDED

24 Ton CO2 Storage Vessel W/3 h.P. Coil w/o Dip Tube

Built to 1971 ASME Code Section VIII Division 1

(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 5/17 19 74 Signed Stansteel Corporation Decatur Plant A.L. Jackson
(Manufacturer)

Certificate of Authorization Expires 12/31/75

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Stansteel Corp. Decatur Plant at Decatur, Illinois

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Illinois and employed by The Fidelity & Casualty Company of New York have inspected the pressure vessel described in this manufacturer's data report on May 17 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 May 17 19 74
J.D. Wilson Inspector's Signature
Commissions NB# 3673, PA #1498 & Ohio
Natl Board, State, or Province and No.