

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 I

NB

1. Manufactured by STANSTEEL CORP., DECATUR PLANT DECATUR, ILLINOIS
(Name and address of Manufacturer)

2. Manufactured for CARDOX DIVISION OF CHEMETRON CORP., CHICAGO, ILLINOIS
(Name and address of Purchaser)

3. Type HORIZ Vessel No. (44070) (Mfrs. Serial) (State & State No.) Natl. Bd. No. 44111 Yr. Built 1971
(Horiz. or Vert.)

4. SHELL: Matl. SA-515-70 T.S. 70,000 Nom. Thk. 31/32 Allow 0 In. Diam. 6 Ft. 6 In. Length 21 Ft. 0 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Weld Dbl. H.T. No R.T. Spot Sectioned No Efficiency 85 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth Weld Dbl. 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 .8125 Min. _____ 2:1 _____ _____ _____
(b) _____

If removable, bolts used _____ (Material, Spec. No., T.S., Size, Number) Other fastening _____ (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 Test Press. 550 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number _____ Size _____ Location Furn and applied in Field

9. NOZZLES: * (continued on # 12)

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Coil	2	1 1/2"	Pipe	SA-53	X-Hvy.	---	Welded
Outlet & Vent	5	1 1/2"	Pipe	SA-53	X-Hvy.	---	Welded

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

11. SUPPORTS: Skirt No Lugs _____ Legs _____ Other (2) lift lugs Attached Welded to Pads
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS:
* Outlet 1 1" Pipe SA-53 X-Hvy. --- Welded

24 Ton CO2 Storage Tank
Built to 1968 A.S.M.E. Code Sect VIII Div I

(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 9-10-71 Signed STANSTEEL CORP, DECATUR PLANT By [Signature]
(Manufacturer)

Certificate of Authorization Expires 12/31/72

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 September 14 1971 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 September 14 19 71 NB # 3673, PA # 1498 and OHIO
Inspector's Signature _____ Commissions _____ Nat'l Board, State, or Province and No. _____