

FORM U-1A MANUFACTURERS DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by Eaton Metal Products Corporation, P.O. Box 718, Omaha, Nebraska 68101
(Name and address of Manufacturer)

2. Manufactured for Frontier Chemical Company, P.O. Box 545, Wichita, 1, Kansas
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (67-912) ((Mfrs. Serial)) (----) ((State & State No.)) Natl. Bd. No. 3329 Yr. Built 1967

4. SHELL: Matl. SA-212-B T.S. 70,000 Nom. 61.9 In. Corr. N/A In. Diam. 7 Ft. 6 In. Length 48 Ft. 0 In.
(Kind and Spec. No.) (Fig. or F.E. & Spec. Min. T.S.) (Allow. N/A) (Sh. 100%)

5. SEAMS: Long Dbl. Butt H.T. No X.R. Spot-Hd Sectioned No Efficiency 95 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material SA-455-A T.S. 75,000 (b) Material SA-455-A T.S. 75,000

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Bilptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) <u>Left End (a)</u>	<u>.354</u>	----	----	----	----	<u>45"</u>	----	<u>Concave</u>
(b) <u>Right End (b)</u>	<u>.354</u>	----	----	----	----	<u>45"</u>	----	"

If riveted or brazed describe seams fully under remarks.

If removable, bolts used No Bolts (Material, Spec. No., T.S., Size, Number) Other fastening Fusion Welded (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 250 psi. at max. temp. 650 °F. Min. temp. (when less than -20°) -20 °F. Hydrostatic Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number None Named None Size ---- Location ----

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Head (a)</u>	<u>One</u>	<u>2.32</u>	<u>Rochester Weld Neck Flg. #22-17</u>				<u>Fusion Welded</u>
	<u>One</u>	<u>3/4" x 3000#</u>	<u>Cplg. w/Plug</u>				

10. INSPECTION MANHOLES, No. None Size ---- Location ----

OPENINGS: Handholes, No. None Size ---- Location ----

Threaded, No. None Size ---- Location ----

11. SUPPORTS: Skirt No Lugs None Legs None Other None Attached ----

12. REMARKS: Anhydrous Ammonia Storage Tank, Approx. 15,000 Gal. Water Capacity
Eaton Dwg. No.: 8526-15000 w/o MH, Eaton Order No.: 7515, Customer Order No.: 30943
Nozzles Cont.: Shell - One - 1/2" x Sch. 80 Pipe - Fusion Welded
Shell - Two - 3" x 3000# Half Cplg. - " "
Shell - One - 3" x 3000# Full Cplg. - " "
Shell - One - 2" x 3000# Full Cplg. - " "
Shell - Two - 2" x 3000# Half Cplg. - " "

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 Unfired Pressure Vessels.

Date June 2 1967 Signed Eaton Metal Products Corporation By J.B. Macdonald
(Manufacturer)

Certificate of Authorization Expires 31 December 1967 #587

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Eaton Metal Products Corp. at Omaha, Nebraska

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Nebraska and employed by City of Omaha have inspected the pressure vessel described in this manufacturer's data report on June 2 1967, 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 June 2 1967

Jesse K. Blunt Inspector's Signature Commission N.B. 910 Nat'l Board of State and No.