

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

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by AIR PRODUCTS & CHEMICALS, INC., WILKES-BARRE, PENNA.
(Name and address of Manufacturer)

2. Manufactured for I & M DIVISION, AIR PRODUCTS & CHEMICALS, INC., TREXLEERTOWN, PENNA.
(Name and address of Purchaser)

3. Type Vert. Vessel No. (4-508-4) (Mfrs. Serial) (None) Natl. Bd. No. 2280 Yr. Built 1964
(Horiz. or Vert.) (State & State No.)

4. SHELL: Matl. SA240-304 T.S. 75,000 Nom. Thk. .238 In. Allow. 0 In. Diam. 3 Ft. 0 In. Length 4 Ft. 11 In.
(Kind and Spec. No.) (Plg or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Dbl. Butt H.T. No X.R. Complete Sectioned No Efficiency 100 %
(Welded, Dbl. Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Bot Girth Single w/b/U.H.T. No X.R. Complete Sectioned No No. of Courses 1

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA240-304 T.S. 75,000 (b) Material same 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)	<u>Top</u>	<u>.212"</u>			<u>2:1</u>				<u>Concave</u>
(b)	<u>Bottom</u>	<u>.212"</u>			<u>2:1</u>				<u>Concave</u>

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

7. Constructed for max. allowable working press. 201 psi. at max. temp. +100 °F. Min. temp. (when less than -20°) -320 °F. Hydrostatic } Test Press. 275 psi.
 Pneumatic or }
 Combination }

8. SAFETY OR RELIEF VALVE OUTLETS: Number _____ Size _____ Location _____

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Top & Bot Fill, Draw</u>	<u>3</u>	<u>1-1/16"OD</u>	<u>Nozzle</u>	<u>SA276-304</u>	<u>.172"</u>	<u>None</u>	<u>Welded</u>
<u>Wyecock & Gage Lines</u>	<u>3</u>	<u>9/16"OD</u>	<u>"</u>	<u>"</u>	<u>.172"</u>	<u>"</u>	<u>"</u>
<u>Test Line</u>	<u>1</u>	<u>1-5/16"OD</u>	<u>"</u>	<u>"</u>	<u>.177"</u>	<u>"</u>	<u>"</u>

10. INSPECTION: Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt No Lugs 2 Legs 0 Other 3 Supports Attached Shell-Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Project 05-5-3215-16.10 Dwg. 837255 Rev B
300 Gal. Inner Vessel, Customer Station Contents: Lig. Oxygen, Nitrogen.
Built in accordance to Sect. VIII 1962 ASME Code. Capacity in Gallons 330.
Impact Tested, Hydrostatic Head pressure 4.1 PSIG.

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.
 * If postweld heat treated
 † 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 Unfired Pressure Vessels.

Date 12/29 1964 Signed Air Products & Chemicals, Inc. By William J. Huber
(Manufacturer)

Certificate of Authorization Expires December 31, 1967

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Air Products & Chemicals, Inc. at Wilkes-Barre, Penna.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Penna. and employed by The Commercial Union Insurance Co. of New York have inspected the pressure vessel described in this manufacturer's data report on _____ 19____ 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 12/29 1964
 Inspector's Signature [Signature] Commission 216 4854
Natl. Board of State and No.