

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

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

919

1. Manufactured by Air Products and Chemicals, Inc. Wilkes-Barre, Pennsylvania
(Name and address of Manufacturer)

2. Manufactured for Air Products and Chemicals, Inc. (IGF) Trexlertown, Pennsylvania
(Name and address of Purchaser)

3. Type Vertical Vessel No. (8-300-4) (None) Natl. Bd. No. NB 3230 Yr. Built 1968
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Matl SA 353 9% Ni T.S. 100,000 No. 1. 25 In. Allow. 0 In. Diam. 8 Ft 5-1/4 Length 16 Ft. 8 In.
(Kind and Spec No.) (Fig. or F.B. & Spec. Min. T.S.) (Spot or Complete) (Yes or No) (Yes or No)

5. SEAMS: Long Dbl Welded H.T. No X.R. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth Sgl W W/BU H.T. No X.R. Complete Sectioned No No. of Courses 2

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA 353 9% Ni T.S. 100,000 (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) <u>Top & Bottom</u>	<u>.327"</u>	<u>96"</u>	<u>6 1/8"</u>					<u>Concave</u>
(b)								

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

7. Constructed for max. allowable working press. 69 psi. at max. temp. 100 °F. Min. temp. (when less than -20°) -320 °F. Test Press. 120 psi.
Hydrostatic Pneumatic or Other

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>Upper & Lower Liq. Lev & Trycock</u>	<u>3</u>	<u>5/8"</u>	<u>pipe</u>	<u>SA 353 9% Ni</u>	<u>.172</u>	<u>none</u>	<u>welded</u>
<u>Top fill & Vent. Bot Fill & Liq. to P.B. Coil</u>	<u>2</u>	<u>1-5/8"</u>	<u>pipe</u>	<u>SA 353 9% Ni</u>	<u>.172</u>	<u>none</u>	<u>welded</u>

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

11. SUPPORTS: Skirt _____ Lugs _____ (Yes or No) _____ (Number) _____ Legs _____ (Number) _____ Other 6 pads Attached _____ Welded _____
(Describe) (Where & How)

12. REMARKS: NOZZLES (CONT)
Liq Withdwl & Liq to Pump 2 1-1/8" pipe SA 353 9% Ni .172 none welded

REMARKS: Project 05-8-3841-14.01 (7500) inner tank. DWG 92494E Built in accordance with Section VIII Code and Code Case 1308. Impact test, tank contract prior to 10/31/68. Overall length 20'0 3/16"

*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 12-19 19 68 Signed Air Products and Chemicals, Inc. By J.R. Smith
Manufacturer

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

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

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by The Commercial Union Insurance Company 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.

[Signature] Commissioner _____
Inspector