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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

1. Manufactured by AIR PRODUCTS LIMITED ACREFAIR NEAR WREXHAM CLWYD N. WALES U.K.
(Name and address of Manufacturer)

2. Manufactured for AIR PRODUCTS & CHEMICALS INC. TREXLETON PENNSYLVANIA U.S.A.
(Name and address of Purchaser)

3. Type Vertical Vessel No. (74-1485) (Mfrs. Serial) (State No.) Natl. Bd. No. 41 Yr. Built 1975
(Horiz. or Vert.)

4. SHELL: Matl. SB209-5083-0 T.S. 40 ksi Nom. 1.127 Corr. 1.168 Allow. nil In. Diam. 6 Ft. 10 In. Length 31 Ft. 5 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Welded dbl. H.T. No R.T. complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Shell/Shell welded dbl. H.T. No R.T. partial Sectioned No No. of Courses 4
Girth
Head/Shell single weld. b.u.

6. HEADS: (a) Material SB 209-5083-0 T.S. 40 ksi (b) Material SB209-5083-0 T.S. 40 ksi
(Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)
(a) top 1.068" - - 2:1 - - - CONCAVE
(b) BOTTOM 1.151" - - 2:1 - - - CONCAVE
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. at full vac allowable working press. 245 psi at max. temp. +150 °F. Min. temp. (when less than -20°) -320 °F. Hydrostatic Pneumatic or Combination Test Press 325 psi.

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
TOP & BOTTOM FILL	2	1 1/4" IPS	A & B	SB241-6061T6	1/4"	-	WELDED
OUTLET	2	1 1/4" IPS	C & D	SB241-6061-T6	1/4"	-	WELDED

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

11. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other 3 straps Attached welded to shell
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS (List applicable special services in accordance with UG-120(d)): Nozzles continued:

TRYCOCK	1	1/4" IPS	E	SB209-5083-0	15/64"	WELDED
LIQ. LEVEL	2	1/4" IPS	F & G	SB241-6061-t6	15/64"	WELDED
VENT	1	1" IPS	H	SB241-6061-T6	1/4"	WELDED

CRYOGENIC INNER TANK FOR STORAGE OF LIQUID ARGON NITROGEN & OXYGEN.

(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 Pressure Vessels, Section VIII, Division I.

Date 8 May 19 75 Signed AIR PRODUCTS LIMITED By [Signature]
(Manufacturer)

Certificate of Authorization No. 12,042 Expires 28th February, 1977.

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY AIR PRODUCTS LIMITED at ACREFAIR WREXHAM CLWYD. N. WALES U.K.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province MASS and employed by COMMERCIAL UNION ASSURANCE COMPANY of BOSTON MASS 02108 have inspected the pressure vessel described in this manufacturer's data report on 4th April 19 75 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 9th May 19 75
[Signature] Commissions AB 7277 Mass 1212
Inspector's Signature Nat'l Board, State, Province and No.