

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by NOOTER CORPORATION, 1400 S. 3RD. ST., ST. LOUIS, MO. 63166
(Name and address of manufacturer)

2. Manufactured for E. I. DUPONT, WILMINGTON, DE.
(Name and address of purchaser)

3. Location of installation E. I. DUPONT, LA PORTE, TEXAS
(Name and address)

4. Type VERT. EXCH. C5935 JND-68607 11440 1985
(Horizontal or vertical, tank) (Mfg's serial No.) (CRN) (Drawing) (Mat'l. Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983
Year

S84
Addenda (date) Code Case No. Special service per UG 120(d)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or sheets of heat exchangers

6. Shell: SA106B .375" 1/16" 1'-1-1/4" 11'-11-7/8"
(Mat'l. Spec. No., Grade) (Nom. Thk. in.) (Corr. Allow. in.) (Diam. I.D. (ft. & in.)) (Length (Overall) (ft. & in.))

7. Seams: SMLS. - 100 -
(Long. (Dbl., Sngl.)) (R.T. (Spot or Full)) (Eff. (%)) (HT Temp. (F))

- SNGL. SPOT 2
(Time) (Girth (Dbl., Sngl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Mat'l. - (Spec. No., Grade) (b) Mat'l. - (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)										
(b)										

If removable, bolts used (describe other fastenings) -

(Mat'l. Spec. No., Gr. Size No.)

9. Type of Jacket - Proof Test -

10. Jacket Closure - If bar, give dimensions - If bolted, describe or sketch. -
(Describe as ogee & weld, bar, etc.)

11. MAWP 150 psi at max. temp. 122 °F. Min. temp. (when less than -20° F) - °F.
Hydro. ~~XXXXXX~~ test press. 225 psi.

Items 12 and 13 to be completed for tube sections

12. Tubesheets SB424-INCOLOY 825 1'-8-3/8" 2" WELDED
TOP XXXXXX (Mat'l. Spec. No., Gr.) (Diam. in.) (Subject to pressures) (Nom. Thk. in.) (Corr. Allow. in.) (Attach (Welded, Bolted))

SB424-INCOLOY 825 1'-8-3/8" 2" WELDED
BOTTOM XXXXXX (Mat'l. Spec. No., Gr.) (Diam. in.) (Nom. Thk. in.) (Corr. Allow. in.) (Attach)

13. Tubes: SB163-INCOLOY 825 3/4" #16 151 STRAIGHT
(Mat'l. Spec. No., Gr.) (O.D. in.) (Nom. Thk. in. or Gauge) (Number) (Type (Straight or U))

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell: SB424-INCOLOY 825 3/16" - 1'-1-5/8" TOP-1'-2-3/4" BTM-2'-4-1/4"
(Mat'l. Spec. No., Grade) (Nom. Thk. in.) (Corr. Allow. in.) (Diam. I.D. (ft. & in.)) (Length (Overall) (ft. & in.))

15. Seams: SNGL. SPOT 85 -
(Long. (Dbl., Sngl.)) (R.T. (Spot or Full)) (Eff. (%)) (HT Temp. (F))

- SNGL. SPOT BTM-1
(Time) (Girth (Dbl., Sngl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

16. Heads: (a) Mat'l. SB424-INCOLOY 825 (Spec. No., Grade) (b) Mat'l. SB424-INCOLOY 825 (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	<u>TOP</u>	<u>3/16"</u>	<u>-</u>			<u>2:1</u>				<u>CONCAVE</u>
(b)	<u>BOTTOM</u>	<u>3/16"</u>	<u>-</u>			<u>2:1</u>				<u>CONCAVE</u>

If removable, bolts used (describe other fastenings) -

(Mat'l. Spec. No., Gr. Size No.)

17. MAWP 15 psi at max. temp. 212 °F. Min. temp. (when less than -20° F) - °F.
Hydro. ~~XXXXXX~~ test press. 23 psi.

(12/82)

This form (E00108) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Form U-1 (Back)

18. Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
IN-OUT	1	6"	W.N.	SB424-INCOLOY 825	3/16"		WELDED	
IN-OUT	1	2"	W.N.	SB423-INCOLOY 825	SCH. 80		WELDED	
IN-OUT	1	3"	W.N.	SB423-INCOLOY 825	SCH. 40		WELDED	
IN-OUT	1	1 1/2"	W.N.	SB423-INCOLOY 825	SCH. 40		WELDED	
IN-OUT	2	4"	W.N.	SA106B	STD. WT		WELDED	

19. Supports: Skirt NO Lugs 2 Legs Other Attached WELDED
(Yes or no) (No) (No) (Describe) (Where and how)

20. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
(Name of part, item number, mfr's name and identifying stamp)

DUPONT ORDER NO. LGHC-1-W
DUPONT DA NO. 461-1100-1

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details in design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 297 expires MAY 17, 19 86
 Date 3-11-85 Co. name NOOTER CORPORATION Signed Ed Russo
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by NOOTER CORPORATION at ST. LOUIS, MISSOURI

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of CITY OF ST. LOUIS and employed by COMMERCIAL UNION INSURANCE COMPANY of BOSTON, MA

have inspected the pressure vessel described in this Manufacturer's Date Report on 3/10/85, 19 85, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturer's Date 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 3/11/85 Signed Ed Russo Commissions NB-3259; ST. LOUIS-70
(Authorized Inspector) (Nat'l Board, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the ASME Boiler and Pressure Vessel Code.

"U" Certificate of Authorization No. expires , 19
 Date Co. name Signed
(Assembler that certified and constructed field assembly) (By Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of and employed by

of have compared the statements in this Manufacturer's Date Report with the described pressure vessel and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of psi. 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 Date 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 Signed Commissions
(Authorized Inspector) (Nat'l Board (incl. endorsement) State, Prov. and No.)