

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by Vulcan Manufacturing Company (Name and address of Manufacturer) Cincinnati, Ohio 45246
Daniel Construction Company International
 2. Manufactured for For Fibers International Corp. (Name and address of Purchaser) Guayama, Puerto Rico
 3. Type Vert. Kind Jktd Tank Vessel No. (11341) (Mfg. Serial) (State & State No.) 2693 Yr. Built 1970

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material 304 SA-240 T.S. 75000 Nominal Thickness 1/4 In. Allowance 4 In. Corrosion 4-1/4 Ft. Length 5 Ft. 1 In.

5. SEAMS: Long Dbl. Butt H.T. NO R.T. Complete Sectioned NO Efficiency 100 %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth Dbl. Butt H.T. NO R.T. Complete Sectioned NO No. of Courses 1

6. HEADS (a) Material 304 SA-240 T.S. 75000 (b) Material 304 SA-240 T.S. 75000
 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) BTM 5/16" 8-3/4" 130° Concave
 (b) TOP 3/16" 2:1 Concave

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

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: 52-3/4" OD X 49-1/4" ID X 2-1/2" Tk. TP304 Shell Closure Bar.
 (Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 72.5 psi at max. temp. 645 °F. less than -20° Min. temp. (when Hydrostatic Test Press 143 psi.
~~Pneumatic or Combustion~~

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted)
 Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL Material 304 SA-240 T.S. 75000 Nominal Thickness 5/8 In. Allowance 4 In. Corrosion 0 In. Length 5 Ft. 7-1/2 In.

13. SEAMS: Long Dbl. Butt H.T. NO R.T. Complete Sectioned NO Efficiency 100 %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth Dbl. Butt H.T. NO R.T. Complete Sectioned NO No. of courses 1

14. HEADS (a) Material 304 SA-240 T.S. 75000 (b) Material 304 SA-240 T.S. 75000 (c) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) Top, bottom, ends 1.57" 6-3/4" 130° Both
 (b) Channel TOP 5/8" 2:1 Both
 (c) Floating

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) STL SA-193-B7 125000 1" 56
 (c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. 304.5 psi at max. temp. 645 °F. less than -20° Min. temp. (when Hydrostatic Test Press 600 psi.
~~Pneumatic or Combustion~~

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
	1 Each	4, 1-1/2, 1	300# USAS	304	SCH 40		
	8	3 & 2	300# USAS	304	SCH 40		
	6	3, 1-1/2, 3/4	300# USAS	304	SCH 80		
	1	3	300# USAS	304	Speical Forging		
	1	1-1/2		304	Stuffing Box		

¹ If postweld heat-treated. ² List under remarks other internal or external pressures with coincident temperature when applicable. (Over)

18. INSPECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 19. SUPPORTS: Skirt NO Lugs 4 Legs _____ Other _____ Attached Shell Weld
 (Yes or No) (Number) (Number) (Describe) (Where & How)

20. REMARKS: This is a Polymer Autoclave.
This vessel has an internal helical coil of 2" SCH 40 TP304 SA312 Pipe designed and tested Per Line 9.

Item No. F1-1006-660-5830-6330-.11 43 Sq. Ft. N.B. S.O. 9281 D-28085
 (Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.)

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 AUG 1 8 1970 19____ Signed Vulcan Manufacturing Company By J. C. Haban
 (Manufacturer)

Certificate of Authorization Expires 12/31/70

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Vulcan Manufacturing Company at Cincinnati, Ohio

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province _____ and employed by Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Conn.

_____ have inspected the pressure vessel described in this manufacturer's data report on AUG 1 8 1970 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 AUG 1 8 1970 19____

Jack W. Reef Commissions NB2587 OS1066
 Inspectors Signature Nat'l Board, State, or Province and No.

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 _____ and employed by _____ of _____

_____ have compared the statements in this manufacturer's data 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 the applicable sections of the ASME Boiler and Pressure Vessel Code. 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 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 _____ 19____

 Inspectors Signature Commissions Nat'l Board, State, or Province and No.