

61237

MUTUAL BOILER AND MACHINERY INSURANCE COMPANY MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Tank # 61237

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by BRIGHTON CORPORATION, Cincinnati, Ohio
(Name and address of Manufacturer)

2. Manufactured for JONES-BLAIR PAPER COMPANY, INC., Dallas, Texas
(Name and address of Purchaser)

3. Type Vert. Vessel No. 7787 (Extra Serial) (State & Std. No.) Nat'l Bd. No. 712 Yr. Built 1963

4. SHELL: Mat'l SA240 T.304 Num. TS75000 Thk. 3/16 In. Allow. 0 In. Diam. 2 ft. 2-1/2 in. Length 4 ft. 2-3/8 in.
(Kind and Spec. No. (Flk. or F. D. & Spec. Min. T.S.))

5. SEAMS: Long Dbt. Butt weld No. No X.R. No Sectioned No Efficiency 70 %
(Welded, Dbt., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted or braised describe seams fully under remarks.

6. HEADS: (a) Material SA240 T.304 TS75000 (b) Material TS

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) Bottom	<u>5/16"</u>	<u>95"</u>	<u>none</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Convex & Conca</u>
(b) Top	<u>.078"</u>							

If removable, bolts used _____ Other fastening Welded

7. Constructed for { Int. } pressure of 40 psi. Max. Temp. 400 °F. Subzero _____ °F. Hydrostatic Test 76 psi.
{ Ext. } pressure of 15

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 3/4" Location Conical Section

9. NOZZLES:

Purpose, (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Inlets</u>	<u>3</u>	<u>2-1/2" Sch. 10</u>	<u>Flange</u>	<u>T.304</u>		<u>none</u>	<u>welded</u>
<u>Drains</u>	<u>2</u>	<u>3/4" & 1"</u>	<u>3000 Cpl.</u>	<u>"</u>		<u>"</u>	<u>"</u>
<u>Gage Glass</u>	<u>2</u>	<u>1/2"</u>	<u>3000</u>	<u>"</u>		<u>"</u>	<u>"</u>

10. INSPECTION Manholes, No. _____ Size _____ Location _____
OPENINGS Handholes, No. 1 Size 6" OD x 1/8" Location Shell " " "
Threaded, No. 3 Size (2) 3/4" Location " " " "
(1) 1/4"

11. SUPPORTS: Skirt _____ Legs _____ Attached Shell "
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Vessel used to collect liquid condensate from condenser.

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc. - State Contents.)

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

Date May 28 1963 Signed BRIGHTON CORPORATION By A. J. Steiff
(Manufacturer)

Certificate of Authorization Expires December 31, 1964

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. M.B.I. 63455-E
VESSEL MADE BY BRIGHTON CORPORATION at Cincinnati, Ohio

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF Ohio and employed by The Mutual Boiler and Machinery Insurance Company of Waltham, Mass., inspected internally and externally, the vessel described in this report on May 28 1963 and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builder, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date May 28 1963
Inspector's Signature O. G. Roth Commission NB 3837
(State or Nat'l) Exp. Number _____

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MUTUAL BOILER AND MACHINERY INSURANCE COMPANY *Exchanger*
 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS #61237
 As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by BRIGHTON CORPORATION, Cincinnati, Ohio FILE NO. _____
 2. Manufactured for JONES-BLAIR PABIT COMPANY, INC., Dallas, Texas

3. Vessel No. 7786 (Min. Serial) State of Ohio Nat'l Bd No 711 Yr. Built 1963
 Heat Exch. Kind Vert. (Horizontal, Vertical, Jacketed, Heat Exch.)

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 SA240 T.304 TS 75000 Nominal Thickness 9/64 Corrosion Allowance 0 In. Diam. 2 ft. 3 in. Length 4 ft. 11-7/8 in.
 5. SEAMS: Long Dbl. Butt, Weld SR No X.R. No Sectioned No Efficiency 70%
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth Dbl. Butt, Weld SR No X.R. No Sectioned No No. of Courses 2

If riveted describe seams fully on reverse side of form

6. HEADS (a) Material SA240 T.304 (b) Material SA240 T.304
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

7. STAYBOARDS: If hollow Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam (Nominal)

8. JACKRY CLOSURE: (Describe as cap & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working pres. 60 psi. at max. temp. 200 °F. Min. temp. (when less than -20°) _____
 Hydraulic Pneumatic or Combination Test Pres. 95 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material SA240 T.304 (Kind & Spec. No.) Diam. 20 in. Thickness 3/4 in. Attachment Welded (Welded, Bolted)

11. TUBES: Material SA240 T.304 (Kind & Spec. No.) Floating. Material SA240 T.304 (Kind & Spec. No.)
 Welded 1 in. Thickness .063 inches or more Number 336 Type straight (Straight or U)

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

12. SHELL: Material SA240 T.304 TS 75000 Nominal Thickness 9/64 Corrosion Allowance 0 In. Diam. 2 ft. 3 in. Length 1 ft. 3 in.

13. SEAMS: Long Dbl. Butt, Weld SR No X.R. No Sectioned No Efficiency 70%
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form

14. HEADS (a) Material SA285C TS 55000 (b) Material SA240 T.304 TS 75000 (c) Material SA240 T.304
 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 5/8" (b) Channel-Bottom .078 (c) Floating

If removable, bolts used (a) SA307 55000 32, 5/8" (b) Welded

15. Constructed for max. allowable working pres. 40 psi. at max. temp. 400 °F. Min. temp. (when less than -20°) _____
 Hydraulic Pneumatic or Combination Test Pres. 76 psi.

Items below to be completed for all Vessels where applicable.

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

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number 2 Diam. or Size 6" & 8" Type Flanged Material T.304 Thickness _____ Reinforcement Material none How Attached welded

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded No. 2 Size 3" - 3000/psi Location Shell none welded

19. SUPPORTS: Skin No. _____ Lugs _____ (Number) _____ Other (Describe) _____ Attached (When & How) _____

20. REMARKS: Vessel used to condense vapors from reactor

21. (Blank)

22. (Blank)

23. (Blank)

24. (Blank)

25. (Blank)

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NB 3837

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date May 28 1963 Signed BRIGHTON CORPORATION (Manufacturer) By A. J. Steeff

Certificate of Authorization Expires December 31, 1964

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial No. M.B.I. 63454-E

VESSEL MADE BY BRIGHTON CORPORATION at Cincinnati, Ohio

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF OHIO and employed by The Mutual Boiler and Machinery Insurance Company of Waltham, Mass., inspected internally and externally, the vessel described in this report on May 28 1963 and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date May 28 1963 Inspector's Signature C. C. Rath Commissions NB 3837

Inspector's Signature: C. C. Rath Commissions: NB 3837 State or Nat'l Bd. & Number: NB 3837

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF _____ and employed by The Mutual Boiler and Machinery Insurance Company of Waltham, Mass., have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of _____ psi.

Date _____ 19____

Inspector's Signature _____ Commissions _____ State or Nat'l Bd. & Number _____