

P.O. #26059

BZ-5665
BZ-5666

2. Manufactured for EMUEL HARRIS, CORP., CLEVELAND, N. Y.
 (Name and address of manufacturer)
 Date of purchase Feb. 17, 1938
 (Date)

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

5. SEAMS: Long Dbl W Butt H.T. No X.R. No Sectioned No Efficiency 70 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

(a) Name of Material	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	T.S. Side to Pressure (Convex or Concave)
XXXXXX	1/4	6611	6611	1.5				

(b) _____ Concave

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

7. STAYBOLTS: W hollow Attachment Pitch X Diam.
 (Material) (Size of Hole) (Threaded, Welded) (HORIZ.) (VERT.) (Nominal)

B. JACKET CLOSURE: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 32 psi at max. temp. 250 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Pneumatic or Combination Test Press 60 psi

0. TUBE SHEETS: Stationary. Material **TS16 BA240** Diam. **22** In. Thickness **1/2** In. Attachment **Bol** End

Flouring Material _____ Diam. _____ In. Thickness _____ In. _____

1. TUBES: Material SA 213 O.D. 3/4" In. Thickness 18 Inches
 2. Gaskets: Material SA 213 In. Thickness 18 Inches

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

2. SHELL Material S453B T.S. 60000 Nominal Thickness 3/8 in. Corrosion Allowance 1/8 in. Diam. 1 Ft. 10 in. Length 1 Ft. 2 in.
(Kind and Spec. No.) (Plg. or P.B. Spec. Min. T.S.)

3. SEAMS: Lung Seamless H.T. No X.R. No Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Ust) (Yes or No) (Spot or Complete) (Yes or No)

Birth Db1 W Butt H.T. No X.R. No Sectioned No No. of courses 2

4. HEADS (a) Material SAE 52100 T.S. 35000 (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Fillet Diameter	Side-to-Pressure (Crown) Pressure
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(a) Concave, ends 1st
 (b) Channel _____
3rd Concave

(c) Flouing _____
If removable, bolts used (a) 34193-57 80000 5/8 20 (b) _____

(c) _____ Other fastening _____

5. Constructed for max.		Min. comp. (when		(Describe or Attach Sketch)	
				Hydrostatic	

allowable working press 85 psi at max. temp. 290 °F. less than -20° _____ °F. Combination } Pneumatic or } Test
 } Press 140 psi.

Items below to be completed for all vessels where applicable.

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

7. NOZZLES _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet/Outlet	1	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

Liquid Inlet 1	ss. 6, 3, 281b	V.S. Flga. SA181	150#	Ty316	Welded
Vapor Outlet 1	18"	V.S. Flga. SA181	150#	Ty316	Welded

Box Collar	1	10"	V.S. Flgd.	SA181	130#	Ty316	Welded
Head. Neck	1	22"	Clad Flgd.	SA2403AFA5		Ty316	Welded

~~Plant Lot 1 ca. 6 & 3~~ ~~Flg.~~ ~~8481~~ ~~1908~~ ~~None~~ ~~Welded~~

(Items 18 through 20 continued on back)

EQUIP. CODE NO. A H O E S. 24

* If postweld heat-treated. * List under remarks other internal or external pressures with coincident temperature when applicable.

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18. INSPECTION Manholes, No. _____ Size _____ Location (Channel Nonweldable)
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. 2 & 2 Size 3/4" Location Channel Nonweldable
 19. SUPPORTS: Skirt _____ Lugs None Legs _____ Other _____ Attached Shell Welded
 (Yes or No) (Number) (Description) (Method)
 20. REMARKS: Vessel to be used as a Reboiler with 2 Bar rings Stiffeners
welded to outside of shell. Heating Bundle 760 square foot
with steam in tube side.

(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 Unfired Pressure Vessels.

Date June 9, 19 71 Signed ROSEN MFG. CO. INC. By Robert Maturro

Certificate of Authorization expires December 31st, 1972

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY ROSEN MFG. CO. INC. at JERSEY CITY, N. J.
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or
 the State of _____ and employed by EMPLOYERS COM'L UNION INT. GP. of
AMERICA have inspected the pressure vessel described in this manufacturer's
 data report on June 9, 19 71 and state that to the best of my knowledge and belief, the manufac-
 turer 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 6-9- 19 71

S. Laurich
 Inspector's Signature

Commission NB 5591
 Nat'l Board or State 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 of _____ 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 _____

Inspector's Signature

Commission

Nat'l Board or State and No.

B3 5665

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