

ITEM NO. 89-RF-115

CPO# 0255

#93493

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

F80604

as required by the provisions of the ASME Code rules, Section VIII, Division 1

78 5/8" JKT. FILTER

1. Manufactured and certified by GASTON COUNTY DYEING MACHINE CO. - HWY 27 WEST - MT. HOLLY, NC 28120

2. Manufactured for ROSENMUND, INC. - P.O. BOX 668625 - CHARLOTTE, NC 28266-8625

3. Location of installation UNKNOWN

4. Type: VERT. JKT. TANK F80604-689-1 E3600272 REV. G 21081 1990

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 Code, Section VIII, Division 1: 1989

N/A

Items 6-11 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers. HALF PIPE COIL

6. Shell: SA240-304 .135" 0 3.232"

7. Seams: N/A N/A N/A N/A WLD SGL BUTT NONE

8. Heads: (a) (b)

Table with 10 columns: 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). Rows (a) and (b) are empty.

If removable, bolts used (describe other fastenings):

9. Type of jacket: HALF PIPE COIL Proof test:

10. Jacket closure: FLANGED ENDS If bolted, describe or sketch.

11. MAWP: 170 psi at max. temp. 385 °F. Min. design metal temp. -7 °F at 170 psi.

Hydro., test press. 281 psi.

Items 12 and 13 to be completed for tube sections.

12. Tubesheets: (stationary mat'l. (spec. no., gr.)) (dia. in. (subject to pressure)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment (tagged, bolted))

(floating mat'l. (spec. no., gr.)) (dia. (in.)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment)

13. Tubes: (mat'l. (spec. no., gr.)) (OD (in.)) (nom. thickness (in. or gauge)) (no.) (type (straight) or U)

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

14. Shell: SA240-316L 5/16" 0 6' 6" 3' 11"

15. Seams: WLD DBL BUTT NONE 70% N/A WLD DBL BUTT NONE 1

16. Heads: (a) SA240-316L (b) SA240-316L

Table with 10 columns: 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). Rows (a) and (b) contain data.

If removable, bolts used (describe other fastenings):

20 PSI (ALT. CONDITION) AT 450°F.

17. MAWP: 50/FULL VACUUM psi at max. temp. 385 °F. Min. design metal temp. -7 °F at 50 psi.

Hydro., test press. 75 psi.

FORM U-1 (back)

18. Nozzles, inspection and safety valve openings:

Purpose (Inlet outlet, drain, etc.)	Number	Dia. or Size	Type	Mat'l	Thickn.	Remarks, content Material	How Attached	Location
MANWAY	1	18"	FLANGED	SA240-316L	.500		WELDED	HEAD
OUTLET	1	14"	BOLTED	SAB08CL-1	2.1562		WELDED	HEAD
HANDWAY	1	10"	FLANGED	SA312-316L	.365	SA240-316L	WELDED	SHELL
AGITATOR	1	11"	BOLT PAD	SA240-316L	.250		WELDED	HEAD
MISC.	1	4"	FLANGED	SA312-316L	.237		WELDED	HEAD
THERMOWELL	1	3 1/2"	PRG. GLAND	SA479-316L	.120		WELDED	SHELL
SAFETY	2	3"	FLANGED	SA312-316L	.216		WELDED	HEAD
IN, OUTLET	2	3"	FLANGED	SA403-304L	.120		WELDED	COTL
IN, OUTLET	12	2"	FLANGED	SA312-316L	.164		WELDED	HD&SHELL
SAMPLE PORT	1	1 1/2"	FLANGED	SA312-316L	.200		WELDED	SHELL
MISC.	2	1 1/2"	FLANGED	SA312-316L	.145		WELDED	HEAD
MISC.	2	1"	COUPLING	SA182-316L	3000//		WELDED	HEAD

19. Supports: Skirt NO Lugs 0 Legs 0 Other SEE REMARKS Attached

20. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

THE FLAT BOTTOM IS STRUCTURALLY SUPPORTED WITH (5) 8" WF x 48//FT BEAMS, SA36.

IMPACT TESTING IS NOT REQUIRED PER PARAGRAPHS UG-20(f), UCS-66(a) & UHA-51(b).
THE FOLLOWING IDENTIFICATION IS SCRIBED WITHIN 8" OF THE CODE NAMEPLATE: NB 21081 G.C.

CERTIFICATE OF SHOP COMPLIANCE

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 1.

"U" Certificate of Authorization no. 11254 expires 1-31 19 93
Date 3-27-90 Name GASTON COUNTY DYEING MACH. CO. Signed Bobby Shelton

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GASTON COUNTY DYEING MACHINE CO. at MT. HOLLY, NC
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of NORTH CAROLINA and employed by LUMBERMENS' MUTUAL CASUALTY CO.

of ILLINOIS have inspected the pressure vessel described in this Manufacturers' Data Report on 3-27 19 90 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 Manufacturers' 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. OHIO COMM.-PA WC 529
Date 3-27-90 Signed Vergil B. Sullivan Commission # NB 9329 NC 1179 B

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 _____ Name _____ Signed _____

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of _____ and employed by _____

of _____ have compared the statements in this Manufacturers' 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 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 the Manufacturers' 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 _____ Signed _____ Commission # _____