

FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS

As required by the Provisions of the ASME Code Rules

43404

1. Manufactured by JOSEPH OAT CORPORATION, CAMDEN, NEW JERSEY
(Name and address of Manufacturer)

2. Manufactured for WESTINGHOUSE ELECTRIC CORPORATION, PITTSBURGH, PENNSYLVANIA
(Name and address of Purchaser)

3. Type Vert. Kind Heat Ex. Vessel No. (2168-184) () Nat'l Bd. No. 779 Yr. Built 1975
(Horiz. or Vert.) (Tank, Jacketed, Heat Ex.) (Mfrs. Serial No.) (State & State No.)

3a. Applicable ASME Code: Section III, Edition 1974, Addenda date July 1, 1974, Case No.
Class 3 Shell side
2 Tube side

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA515-70 T.S. 70,000 Nominal 7/16 Corrosion 1/8
(Kind & Spec. No.) (Min. of range specified) Thickness in. Allowance in. Dia. 3 ft. 3-3/4 in. Length 21 ft. 10-3/8 in.

5. Seams: Long DBW H.T.¹ No R.T. Spot Efficiency 85 %
Girth DBW H.T.¹ No R.T. Spot No. of Courses 3

6. Heads (a) Material SA515-70 T.S. 70,000 (b) Material T.S.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a) Top	<u>7/16</u>	<u>40"</u>	<u>2-1/2"</u>	<u>2:1</u>	<u> </u>	<u> </u>	<u> </u>	<u>Concave</u>
(b) <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

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

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

8. Design Pressure² 150 psi at 200 °F at temp. of °F. Test Pressure 225 psi
Drop Weight Charpy Impact ft-lb Hydrostatic or Test
Combinaton Pressure psi

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary. Material SA515-70 Dia. 39-3/4 in. Thickness 5-1/8 in. Attachment Bolted
(Kind & Spec. No.) (Subject to press.) (Welded, Bolted)
W/T304 Weld overlay

Floating. Material SA249T304 Dia. in. Thickness in. Attachment
(Kind & Spec. No.)

10. Tubes: Material SA249T304 O.D. 3/4 in. Thickness 18 inches or gage Number Type U
(Kind & Spec. No.) (Straight or U)

Items 11 to 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material SA240T304 T.S. 75,000 Nominal 3/4 Corrosion 0
(Kind & Spec. No.) (Min. of range specified) Thickness in. Allowance in. Dia. 3 ft. 3-3/4 in. Length 2 ft. 5-1/4 in.

12. Seams: Long DBW H.T.¹ No R.T. Complete Efficiency 100 %
(Welded, Dbl., Single) (Yes or No)

Girth DBW H.T.¹ No R.T. Complete No. of Courses 1

13. Heads: (a) Material SA240T304 T.S. 75,000 (b) Material T.S. (c) Material T.S.

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a) Top, bottom, ends	<u>.696 min.</u>	<u> </u>	<u> </u>	<u>2:1</u>	<u> </u>	<u> </u>	<u> </u>	<u>Concave</u>
(b) Channel	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(c) Floating	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

SA193GrB7, 125,000, 1-1/4", 8UNC, 40
If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)
(Material, Spec. No., T.S., Size, Number)

Drop weight Charpy Impact ft-lb Hydrostatic or Test
Combinaton Pressure 872 psi

14. Design pressure² 600 psi at 400 °F at temp. of °F. Test Pressure 872 psi

¹ If Postweld Heat-Treated² List other internal or external pressures with coincident temperature when applicable.