

1. Manufactured and certified by JOSEPH ORR CORP 2500 BROADWAY CAMDEN N.J.
(Name and address of manufacturer)
2. Manufactured for CAPE IND. PO Box 327 WILMINGTON N.C. 1043072
(Name and address of purchaser)
3. Location of Installation CAPE IND Highway 421 N. WILMINGTON N.C.
(Name and address)
4. Type VERT. 8204-1 - E-8665 2648 1988
(Mount or vent, tank) (Mfr's serial No.) (CRN) (Drawing) (Mat'l. Id. No.) (Year built)
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 Rules, Section VIII, Division 1 1986
Year

Addenda (date)

Code Case No.

Special service per UG 120(d)

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

6. Shell: SA-516-70 375 0.62 2' 11.25 25' 5.875
(Mat'l. Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft & in.)) (Length (Overall) (ft & in.))
7. Seams: DBL. SPOT 85% -
(Long. (Dbl., Sngl.)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp. (°F))
- DBL. - 2
(Time) (Girth (Dbl., Sngl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Matl. - (Spec. No., Grade) (b) Matl. - (Spec. No., Grade)
- | | 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) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | - | - | - | - | - | - | - | - | - | - |
| (b) | - | - | - | - | - | - | - | - | - | - |

If removable, bolts used (describe other fastenings) -

(Mat'l., Spec. No., Gr., Size, No.)

9. Type of Jacket - Proof Test -
10. Jacket Closure - If bar, give dimensions - If bolted, describe or sketch.
(Describe as oval & weld, bar, etc.)
11. MAWP 100 psi at max. temp. 550 °F. Min. design metal temp. - °F at - psi
Hydro., pneu., or comb. test press. 150 psi.

Items 12 and 13 to be completed for tube sections

12. Tubesheets: SA-240-304 36 1.25 NONE WELDED
(Stationary Mat'l. (Spec. No., Gr.)) (Diam. (in.) (Subject to pressure)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Attach. (Welded, Bolted))
- - - - -
(Floating Mat'l. (Spec. No., Gr.)) (Diam. (in.)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Attach.)
13. Tubes: SA-249-304 .75 16 1124 STRAIGHT
(Mat'l. (Spec. No., Gr.)) (O.D. (in.)) (Nom. Thk. (in. or Gauge)) (Number) (Type (Straight or "U"))

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

14. Shell: SA-240-304 .250 NONE 2' 11.5" 24.12" (BOT)
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft & in.)) (Length (Overall) (ft & in.))
15. Seams: DBL. SPOT 85 -
(Long. (Dbl., Sngl.)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp. (°F))
- DBL. NONE 1 (EACH END)
(Time) (Girth (Dbl., Sngl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

16. Heads: (a) Matl. SA-516-70 (Spec. No., Grade) (b) Matl. SA-516-70 (Spec. No., Grade)
- | | 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) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | 1.687 | NONE | - | - | - | - | - | 40.62 | FLAT |
| (b) | BOT | 2.375 | NONE | - | - | - | - | - | 40.62 | FLAT |

If removable, bolts used (describe other fastenings) SA-193-B7 3/4 40 SA-194-2H 3/4 80 EACH END

(Mat'l., Spec. No., Gr., Size, No.)

17. MAWP 100 psi at max. temp. 550 °F. Min. design metal temp. - °F at - psi.
Hydro., pneu., or comb. test press. 150 psi.

ATL	2648
RT	
OS	AT
MDI	ERS
W	P.
RT3	TE
ELL	550
IDE	100
BE	550
IDE	100
AR	1988
SER	J8204-1