

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Continental Fabricators, Inc.; 5601 West Park Ave.; St. Louis, MO 63110
(Name and address of Manufacturer)

2. Manufactured for Rhone-Poulenc, Inc.; P.O. Box 2831; Charleston, W.V. 25330
(Name and address of Purchaser)

3. Location of installation Rhone-Poulenc, Inc.; P.O. Box 400; Institute, W.V. 25112
(Name and address)

4. Type: Vertical Vessel CG-4755 830-L Rev. 3 2533 1992
(Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)

5. ASME Code, Section VIII, Div. 1 1992 Edition, 1992 Addenda
Edition and 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, shell of heat exchangers, or chamber of multi-chamber vessels.

6. Shell (a) No. of course(s): 3 (b) Overall length (ft & in.): 28'-1 3/4" O.A. W.S./W.S.

| No. | Course(s) | | Material | | Thickness | | Long Joint (Cat. A) | | | Circum. Joint (Cat. A, B & C) | | | Heat Treatment | |
|-----|---------------|-------------------|---------------------|-------|-----------|------|---------------------|------|------|-------------------------------|------|-------|----------------|--|
| | Diameter, in. | Length (ft & in.) | Spec./Grade or Type | Nom. | Corr. | Type | Full, Spot, None | Eff. | Type | Full, Spot, None | Eff. | Temp. | Time | |
| 1 | 48.0" I.S. | 9'-4 9/16" | SA240-316L | .250" | .063" | 1 | Spot | 85% | 1 | Spot | 85% | ---- | ---- | |
| 2 | 48.0" I.S. | 9'-4 9/16" | SA240-316L | .250" | .063" | 1 | Spot | 85% | 1 | Spot | 85% | ---- | ---- | |
| 3 | 48.0" I.S. | 9'-4 5/8" | SA240-316L | .250" | .063" | 1 | Spot | 85% | 1 | Spot | 85% | ---- | ---- | |

7. Heads: (a) SA-240 Gr. 316L (b) SA-240 Gr. 316L
(Mater. Spec. No., Grade or Type) H.T. - Time & Temp (Mater. Spec. No., Grade or Type) H.T. - Time & Temp

| | Location (Top, Bottom, Ends) | Thickness | | Radius | | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure | | Category A | | |
|-----|------------------------------|-----------|-------|----------|----------|------------------|--------------------|----------------------|---------------|------------------|---------|------------|------------------|------|
| | | Min. | Corr. | Crown | Knuckle | | | | | Convex | Concave | Type | Full, Spot, None | Eff. |
| (a) | Top Head | .250" | .063" | 43.2" IS | 8.16" IS | 2:1 | ---- | ---- | ---- | ---- | Yes | --- | ---- | --- |
| (b) | Btm Head | .250" | .063" | 43.2" IS | 8.16" IS | 2:1 | ---- | ---- | ---- | ---- | Yes | --- | ---- | --- |

If removable, bolts used (describe other fastening) _____

8. Type of jacket _____ Jacket closure _____
(Mater. Spec. No., Grade, size, No.) (Describe as ogee & weld, bar, etc.)

If bar, give dimensions _____

9. MAWP 95 psi at max. temp. 212 °F Min. design metal temp. 0 °F at 95 psi
(internal) (external) (internal) (external)

10. Impact test No - Exempt from impact testing per UHA-51
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press. 164 Horiz. Proof test _____

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: _____
Stationary (Mater. Spec. No.) Dia., in. (subject to press.) Nom. thk., in. Corr. Allow., in. Attachment (welded or bolted)

_____ Floating (Mater. Spec. No.) Dia., in. Nom. thk., in. Corr. Allow., in. Attachment

13. Tubes: _____
Mater. Spec. No., Grade or Type O.D., in. Nom. thk., in. or gauge Number Type (Straight or U)

Items 14 - 18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell (a) No. of course(s): _____ (b) Overall length (ft & in.): _____

| No. | Course(s) | | Material | | Thickness | | Long Joint (Cat. A) | | | Circum. Joint (Cat. A, B & C) | | | Heat Treatment | |
|-----|---------------|-------------------|---------------------|------|-----------|------|---------------------|------|------|-------------------------------|------|-------|----------------|--|
| | Diameter, in. | Length (ft & in.) | Spec./Grade or Type | Nom. | Corr. | Type | Full, Spot, None | Eff. | Type | Full, Spot, None | Eff. | Temp. | Time | |
| --- | | | | | | | | | | | | | | |
| --- | | | | | | | | | | | | | | |
| --- | | | | | | | | | | | | | | |

15. Heads: (a) _____ (b) _____
(Mater. Spec. No., Grade or Type) H.T. - Time & Temp (Mater. Spec. No., Grade or Type) H.T. - Time & Temp

| | Location (Top, Bottom, Ends) | Thickness | | Radius | | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure | | Category A | | |
|-----|------------------------------|-----------|-------|--------|---------|------------------|--------------------|----------------------|---------------|------------------|---------|------------|------------------|------|
| | | Min. | Corr. | Crown | Knuckle | | | | | Convex | Concave | Type | Full, Spot, None | Eff. |
| (a) | ---- | | | | | | | | | | | | | |
| (b) | ---- | | | | | | | | | | | | | |

If removable, bolts used (describe other fastening) _____ VP 490040-C 7310-8A
(Mater. Spec. No., Grade, Size, No.)

