

1. Manufactured by **De Dietrich & Cie, 1 rue d'Offwiller, 67110 Zinnwiler, France**
(Name and address of manufacturer)

2. Manufacturer for **Hoffmann La Roche, Inc.** (Name and address of purchaser) **Belvidere, New Jersey**

3. Location of installation (Name and address)

4. Type **Vertical** Vessel No. **71** N/A CL-1200-001A 2328 Year Built **1979**
(Horizontal or vertical tank) (No.) (CIN) (Drawing) (Nat'l Id No.)

5. The chemical and physical properties of all parts in 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 **1977** and Addenda to **Winter 77** and Code Case no. **N/A** Special service per UG 120(d) **N/A**
(Date)

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: **N/A**
(Name of part, item number, mfr's name and identifying stamp)

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

6. Shell: Material **SA 205B** (Spec. No., Grade) Nominal Thickness **15/32** Corrosion Allowance **N/A** In. Diam. **3** **11-1/4** In. Length **4** **8-3/4** In.

7. Seams: Longitudinal **Welded, Dbl. Butt** (Welded, Dbl., Singl., Lap, Butt) R.T. **Spot** (Spot or Full) Efficiency **85** % H.T. Temp. ***** F Time ***** Girth **Welded, Dbl. Butt** (Welded, Dbl., Singl., Lap, Butt) R.T. **Partial** (Spot, Partial or Full) No. of Courses **2**

8. Heads: (a) Material **SA 205 B** (Spec. No., Grade) (b) Material **SA 205 B** (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)	Top	25/64"	N/A	47-1/4"	4-3/4"	N/A
(b)	Bottom	25/64"	N/A	47-1/4"	4-3/4"	N/A
	Conical Apex Angle	Hemispherical Radius		Flat Diameter	Side to Pressure (Convex or Concave)	
(a)	N/A	N/A		N/A	Concave	
(b)	N/A	N/A		N/A	Concave	

If removable, bolts used (describe other fastenings) **48 clamps, Ø 7/8" dia. SA 442, attached on vessel**
(Material, Spec. No., Gr., Size, No.)

9. Type of Jacket **N/A** Proof Test

10. Jacket Closure **N/A** (Describe as open & weld, bar, etc.) If bar, give dimensions If bolted, describe or sketch.

11. Constructed for max. allowable working pressure **50** **8** **F** **psi** at max. temp. **500** **F** Min. temp. (when less than -20 F) **N/A** F.
Hydrostatic, ~~pressure~~ test pressure **55** **psi**

Items 12 and 13 to be completed for tube sections

12. Tubesheets: Stationary--Material **N/A** (Spec. No., Gr.) Diam. (Subject to pressure) In. Nominal Thickness In. Corrosion Allowance In. Attachment (Welded, Bolted) Floating--Material (Spec. No., Grade) Diam. In. Nominal Thickness In. Corrosion Allowance In. Attachment

13. Tubes: Material **N/A** (Spec. No., Gr.) O.D. In. Nominal Thickness 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: Material **N/A** (Spec. No., Gr.) Nominal Thickness In. Corrosion Allowance In. Diam. ft In. Length ft In.

15. Seams: Longitudinal **N/A** (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) Efficiency % H.T. Temp. F Time Girth (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of courses

16. Heads: (a) Material **N/A** (Spec. No., Grade) (b) Material (Spec. No., Gr.)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)						
(b)						
	Conical Apex Angle	Hemispherical Radius		Flat Diameter	Side to Pressure (Convex or Concave)	
(a)						
(b)						

If removable, bolts used (describe other fastenings)

(Material, Spec. No., Gr., Size, No.)

(12/31/77) **421381**

P.O. **DE-664401-B**

This form (E00108) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

EQUIP. CODE NO. **C 1 D 0 0 0**

18. Safety Valve Outlets: Number N/A

Location

19. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Inlet	1	4" Dbl	Outlet	SA 181-1	25/64"	None	Welded
Inlet	2	3" Dbl	Outlet	SA 181-1	25/64"	None	Welded
Outlet	1	3" Dbl	Outlet	SA 181-1	25/64"	None	Welded

20. Inspection Openings:

Manholes No 2 Size 19-11/16" dia. Location on shell & cover

Handholes No 0 Size Location

Threaded No 0 Size Location

21. Supports: Skirt No Lugs 0 Slifting 0 Other 0 support lugs Welded on shell & heads
(Yes or no) (No) (No) (Describe) (Where and how)

22. Remarks: Column H.T. at high temperature for extended period of time due to glass lining process. Section I and Section II are clamped together with 48 clamps, SA449, 87/8". Glass lined steel column for chemical use.

CERTIFICATE OF 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.

Date JAN. 21, 80 Signed De Dietrich & Cie

(Manufacturer)

WASNI

(Representative)

"U" Certificate of Authorization No. 11718

11 15

19 80

CERTIFICATE OF SHOP INSPECTION

Vessel made by De Dietrich & Cie at Zinnwiller, France

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ohio and employed by The Royal Indemnity Company

of New York, N.Y. have inspected the pressure vessel described in this Manufacturers' Data Report on Dec. 28 19 79

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.

Date 28 Jan. 1980

Signed B.G. AKERMAN

(Inspector)

Commissions

N.B. 8074

(Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

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.

Date _____ Signed _____ by _____
(Manufacturer) (Representative)

"U" Certificate of Authorization No. _____ expires _____ 19 _____

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 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 this 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 _____
(Authorized inspector)

Commissions

(Nat'l Board, State, Province and No.)

EQUIP. CODE NO. S P P - 3 0 6

NATIONAL BOARD			
		2 3 2 8	
W		DE DIETRICH - ZINSWILLER	
RT 3		50 / FV	500
HT		31671	YEAR BUILT 19 79
INSPECTED BY		RIC	
CLASS	3008	500	U.S. 4008
ITEM NO.	SECT. REF. I		
TANK SH. THK. 18/32" TOP HD. THK. 26/64" BOT. HD. THK. HD. ICR. 47 1/8"			
JKT. SH. THK. JKT. HD. THK. JKT. HD. ICR.			
 MFG. BY DE DIETRICH & CIE-FRANCE DIST. BY DE DIETRICH (U.S.A.), INC. UNION, N.J. U.S.A.			