

99405 FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

X TC 23501
Pos # 213 To 421

1. Manufactured and certified by Feldmeier Equipment, Inc. 6800 Town Line Rd. Syracuse, NY 13211
(Name and address of manufacturer)

2. Manufactured for Hoffmann - LaRoche Inc. RV & FC Division 45 Eisenhower Dr. Paramus, N. J. 07652
(Name and address of purchaser)

3. Location of installation Hoffmann-LaRoche Inc. 233 Roche Drive Belvidere, New Jersey 07823
(Name and address)

4. Type: Horizontal 4525-C1 NA 4525-C Rev A 592 1995
(Horiz. or vert. tank) (Mfr's serial no.) (CRN) (Drawing no.) (Nat'l. Bd. 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:
to 1993 Year

6. Shell: SA-240Tp.304L .1875 ---- 2' 11 5/8" 4' 4"
Mall. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Double Bevel None 70% ---- Double Bevel None 2
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-240Tp.304L (b) Matl. SA-240Tp.304L
(Spec. No., Grade) (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)
1) Ends	.150	---	36	2.25	---	---	---	---	Concave
2)									

If removable, bolts used (describe other fastenings) NA

MAWP: 25 / 15 (Mall. Spec. No., Gr., Size, No.)
Design metal temp. -20 of at 25 / 15 psi at max. temp. 250 °F
Nozzles, inspection and safety valve openings: 41 psi

Purpose (let Outlet, Drain)	No.	Diam. or Size	Type	Mall.	Nom. Thk.	Reinforcement	How Attached	Location
Inlet	1	3/4"	CL150FLG.	*see remarks	Sch 40	Inherent	Welded	End
Inlet	4	1"	CL150FLG.	*see remarks	Sch 40	Inherent	Welded	Top/End/Bottom
Inlet/Outlet/Vent	5	2"	CL150FLG.	*see remarks	Sch 40	Inherent	Welded	Top/End/Bottom
Inlet	4	3"	CL150FLG.	*see remarks	Sch 40	Inherent	Welded	Top/End

9. Supports: Skirt No Lugs -- Legs -- Other Saddles Attached Bottom Welded
(Yes or no) (No.) (No.) (Describe) (Where and How)

Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: NA

(Name of part, item number, Mfr's. name and identifying stamp)
VESSEL HYDRO IN HORIZONTAL POSITION / CHARPY IMPACT EXEMPT PER UHA-51(a) / FOR NON-CORROSIVE USE ONLY /
NE #10 MATERIAL : FLANGE ; SA182/304L NOZZLE; SA312/304L / SEE FORM U-4 FOR FURTHER INFORMATION

CERTIFICATE OF SHOP COMPLIANCE
I 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 ASME Code for Pressure Vessels, Section VIII, Division 1, "U" Certificate of Authorization No. 16742 expires 04/28, 1998
Date 8/2/95 Co. name Feldmeier Equipment, Inc. (Manufacturer) Signed Michael J. Solan (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by Feldmeier Equipment, Inc. at 6800 Town Line Rd. Syracuse, NY 13211
I am undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Kemper National Insurance Companies of Long Grove, Illinois have inspected the vessel described in this Manufacturer's Data Report on 8/2, 19 95 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 this Manufacturer's 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 8/2, 19 95 Signed R. A. Polansky (Authorized Inspector) Commissions JB9889AB
(Nat'l Board (incl. endorsements) State, Prov. and No.)
RR 1016.10

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by	Feldmeier Equipment, Inc. 6800 Town Line Rd. Syracuse, NY 13211		
	(name and address of manufacturer)		
2. Manufactured for	Hoffmann - LaRoche Inc.	RV & FC Division	45 Eisenhower Dr. Paramus, N. J. 07652
	(name and address of purchaser)		
3. Location of installation	Hoffmann-LaRoche Inc.	233 Roche Drive	Belvidere, New Jersey 07823
	(name and address)		
4. Type:	Horizontal	Vessel	4525-C1
	(horiz., vert., or sphere)	(tank, separator, heat exh., etc.)	(mfg's serial no.)
	NA	4525-C Rev A	592
	(CRN)	(drawing no.)	(Nat'l Bd. no.)
			1995
			(year built)

Remarks

19. Nozzles, inspection, and safety valve openings:

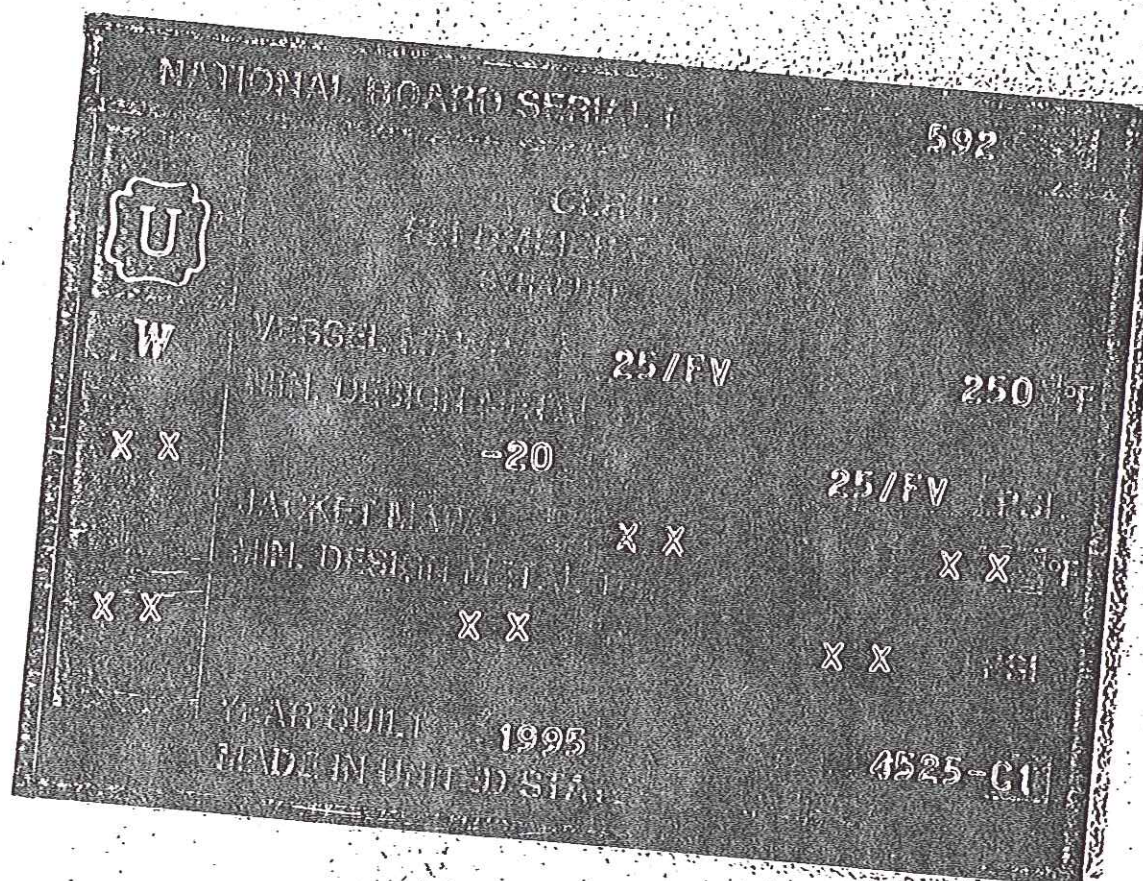
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Certificate of Authorization: Type U No. 16742 Expires 04/28, 19 98

Site 8/2/95 Name Feldmeier Equipment, Inc. Signed Michael J. Salan
(manufacturer) (representative)

Site 8/2/95 Name R. J. Febrary Commission NB9889AB
(Authorized Inspector) (Nat'l. Board incl. endorsement, state, province and no.)

RR 1067.4



HOK-LAR

C1

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