



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

1267

1. Manufactured and certified by MVE, INC., 407 7TH ST., NW; NEW PRAGUE, MN 56071  
 (Name and address of manufacturer)

2. Manufactured for STOCK  
 (Name and address of purchaser)

3. Location of installation STOCK  
 (Name and address)

4. Type HL 600 276 H6977.5 D11199M 51581 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 1992  
 to A-94 NA LOW TEMP. SVC. UW2B UHA51  
 Addenda (Date) Code Case Nos. Special Service per UG-120(d) (Year)

6. Shell: SA240 T304 .117" 0 3' 11.8" 5' 6.5"  
 Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: TYPE 1 FULL 85 NA NA TYPE 2 SPOT 2  
 Long (Welded, Double, Single, Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr.) Girth (Welded, Double, Single, Lap, Butt) R.T. (Spot, Partial, or full) No. of courses

8. Heads: (a) Mat'l. SA240 T304 (b) Mat'l. SA240 T304  
 (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)
(a)	TOP	.104"	0	NA	NA	2:1	NA	NA	NA	CONCAVE
(b)	BOTTOM	.104"	0	NA	NA	2:1	NA	NA	NA	CONCAVE

If removable, bolts used (describe other fastenings) NONE  
 (Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 50 psi at max. temp. 100 °F  
 Min. design metal temp. -320 °F at 50 psi. Hydro., pneu., or comb. test pressure 105 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
FT	1	0.75"OD	W.E.	SA213 T304	.120"	NA	UW16.1e	NA
GP.LP	2	0.50"OD	W.E.	SA249 T304	.083"	NA	UW16.1e	NA
HYDRO	1	1.66"OD	CPLG.	SA182 F304	.230"	NA	UW16.1e	NA
LF,V	2	1.32"OD	W.E.	SA249 T304	.150"	NA	UW16.1e	NA
PB	1	0.87"OD	W.E.	SA249 T304	.120"	NA	UW16.1e	NA

11. Supports: Skirt NA Lugs NA Legs NA Other HUB Attached ENDS WELDED  
 (Yes or No) (No.) (No.) (Describe) (Where and How)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned inspectors have been furnished for the following items of the report:  
NONE

(Name of part, item number, Mfr's name and identifying stamp)  
VACUUM JACKETED VESSEL. LOW TEMPERATURE SERVICE. DESIGN PRESSURE IS 67.1 PSI. INNER VESSEL CODED ONLY. HYDRO PORTS ARE PLUGGED AND SEAL WELDED. IMPACT EXEMPT PER UHA51. TEST POSITION IS HORIZONTAL.

**CERTIFICATE OF SHOP 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. "U" Certificate of Authorization No. 8377 expires JANUARY 15 19 98  
 Date 12/29/95 Co. name MVE, INC. Signed [Signature]  
 (Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**  
 Vessel constructed by MVE, INC. at NEW PRAGUE, MN 56071  
 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 MINNESOTA and employed by COMMERCIAL UNION INSURANCE COMPANY  
 have inspected the component described in this Manufacturer's Data Report on DECEMBER 29, 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 1-4-96 Signed [Signature] Commissions 238982(A) MA 95-383  
 (Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Prov. and No.)