

**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**

CO/N: 7892

1. Manufactured and certified by CHIL-CON PRODUCTS LTD., 54 SPALDING DR., BOX 1385, BRANTFORD, ONT. N3T 5T6  
(Name and address of manufacturer)

2. Manufactured for ARCTIC REFRIGERATION INC., 4930 LITTLE COURT, ELLICOTT CITY, MD 21043  
(Name and address of purchaser)

3. Location of installation SAME @ 2330 HOLLINS ST., BALTIMORE, MD 21223  
(Name and address)

4. Type HORIZ C-910339B-1 H6631.51234 C-910339B REV.0 2734 1991  
(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 1989  
Year

to A 90 --- ---  
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA 53B 1/4" NIL 12-3/4" O.D. 137"  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: ERW PIPE NONE 85% --- --- SNGL. BUTT C/W BACKING NONE 1  
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 516-70 (b) Matl. SA 516-70  
(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)	END	.139"	NIL	---	---	2:1	---	---	---	CONCAVE
(b)	END	.139"	NIL	---	---	2:1	---	---	---	CONCAVE

If removable, bolts used (describe other fastenings) ---  
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 250 psi at max. temp. 400 °F  
 Min. design metal temp. -20 °F at 250 psi. Hydro. ~~XXXXXX~~ test pressure 375 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET	3	5"	W.E.	SA 106B	SCH.40	---	WELD	---
OUTLET	2	4"	W.E.	SA 106B	SCH.40	---	WELD	---
FLOAT, FIRE	2	1"	SCRD CPLG	SA 105	3000 LB	---	WELD	---
RELIEF	1	1/2"	SCRD CPLG	SA 105	3000 LB	---	WELD	---

11. Supports: Skirt --- Lugs --- Legs --- Other --- Attached ---  
(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: ---  
(Name of part, item number, Mfr's name and identifying stamp)

FOR NON-CORROSIVE SERVICE  
NO IMPACT TESTS REQ'D AS PER UCS-66 (a)  
HEADS STRESS RELIEVED

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. <u>17101</u> expires <u>NOVEMBER 16, 1993</u> . Date <u>Sept 30/91</u> Co. name <u>CHIL-CON PRODUCTS LTD.</u> Signed <u>[Signature]</u> <small>(Manufacturer) (Representative)</small>	
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>CHIL-CON PRODUCTS LTD.</u> at <u>BRANTFORD, ONTARIO, CANADA</u>	
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 <u>ONTARIO</u> and employed by <u>M.C.C.R.</u>	
have inspected the component described in this Manufacturer's Data Report on <u>27/9/91</u> , 19 <u>91</u> , 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 <u>7/10/91</u> Signed <u>[Signature]</u> Commissions <u>59 NB8944</u> <small>(Authorized Inspector) [Nat'l Board (incl. endorsements), State, Prov. and No.]</small>	