

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

Corrected Copy *

1. Manufactured and certified by HEMPHILL CORPORATION, 3515 DAWSON ROAD TULSA, OKLAHOMA 74115
 (Name and address of manufacturer)

2. Manufactured for AIR-X-CHANGERS, A HARSCO COMPANY, 5215 ARKANSAS ROAD, CATOOSA, OK 74015
 (Name and address of purchaser)

3. Location of installation UNKNOWN
 (Name and address)

4. Type: VERT.H.EXCHANGER 060497.1B-11367.1 NONE 060497-HDR-1 5233 2006
 (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 2004
 Year
 to 05 N/A N/A
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: TUBE & PLUG SA516 70N FR 1.125", BK 1.125" .0625" FR 6.25", BK 6.25" 12'.375"
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: CORNER JOINT NONE 1.00 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. WRAPPER : SA516 70N (b) Matl. END : SA516 70N
 (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)	WRAPPER	1"	.0625"	N/A	N/A	N/A	N/A	N/A	6"/144.375"	FLAT
(b)	END	.75"	.0625"	N/A	N/A	N/A	N/A	N/A	6"/4.25"	FLAT

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

9. MAWP 1440 psi at max. temp. 350 °F
 Min. design metal temp. -10 °F at 1440 psi. Hydro. ~~test~~ test pressure 1872 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/OUTLET	2	6"/900#	PIPE/RFWN	SA106B/SA105	S/80	WELD	UW-16(a)	HEADER
VENT/TEMP	2	1"	FULLCPLG	SA105	6000#	WELD	UW-16(a)	HEADER
PLUGS	526	7/8"	14UNF3A	SA105				HEADER

11. Supports: Skirt N/A Lugs N/A Legs N/A Other STRUCTURE Attached BOLTED
 (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)

263 TUBES- SA249 304. .75" O.D. x .045 MN. 192" LG. IMPACTS EXEMPT PER UG 20(f).
CONSTRUCTED IN CONFORMANCE WITH APPENDIX 28. PRESSURE RELIEF DEVICE BY OTHERS.
DESIGN CALCULATIONS BY AIR-X-CHANGERS, A HARSCO COMPANY.

CERTIFICATE OF SHOP / FIELD 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. 32,772 expires 08/29/2007
 Date 7/12/06 Co. Name HEMPHILL CORPORATION (Manufacturer) Signed [Signature] (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by HEMPHILL CORPORATION at 3515 DAWSON ROAD TULSA, OK 74115
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OKLAHOMA and employed by ONE BEACON AMERICA have inspected the component described in this Manufacturer's Data Report on 7-13-06, 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 7-13-06 Signed [Signature] (Authorized Inspector) Commissions NB7376A (Nat'l Board. (incl. endorsements) State, Prov. and No.)