

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

1. Manufactured and certified by: Air-X-Changers, A Harsco Company 5215 Arkansas Road, Port of Catoosa, OK 74015
 (Name and address of manufacturer)

2. Manufactured for: Hanover P.O. Box 40 Broussard, LA 70518
 (Name and address of purchaser)

3. Location of installation: Unknown, Unknown
 (Name and address)

4. Type: Heat Exchanger 030060.1 ---- HDR-1 REV 0 43980 2003
 (Horz/vert tank) (Mfg. Serial No.) (CRN) (Drawing No.) (Nat'l Board 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 2001
 to ----- -- Year NONE
 Addenda (Date) Code Case No. Special Service per UG-120(d)

6. Shell: SA516 70N 1.25" 0" 7.2500" 9' - 11.875"
 (Spec No./Grade) (Nom. Thk. (in.)) (Corr. Allow (in.)) (Diameter ID (Ft/In)) (Length (Overall) (Ft/In))

7. Seams: Corner Joint ----- C=.20 ----- ----- ----- ----- -----
 (Long (wid, Dbl, Sgl, Lap, Butt)) (R. T. (spot/full)) (Eff. (%)) (H.T. Temp °F) (Time (hr)) (Girth (wid, Dbl, Sgl, Lap, Butt)) (R. T. (spot, part, /full)) (No. of course)

8. Heads: (a) Matl. SA516 70N ----- (b) Matl. SA516 70N -----
 (Spec No. Grade) (Spec No. Grade)

	Location (Top, bot, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam	Side to Pressure Convex or Concave
a	TOP, BTM	1.125 "	0"	--	--	--	--	--	7.375"	X 119.875"
b	ENDS	0.875 "	0"	--	--	--	--	--	7.375"	X 5"

If removable bolts used (describe other fastening) -----

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

9. MAWP 1440 psi at max. temp. 350 °F
 Min. design metal temp. 50 Degrees F at 1440 psi. hydro., pneu., or comb. test pressure 1872 psi.

10. Nozzle, inspection and safety valve openings:

Purpose (Inlet, outlet, drain)	No.	Dia. or Size	Type	Material	Nominal Thickness	Reinforce Material	How Attached	Location
IN,OUT	4	8"	900# RTJWN	SA-105/SA333 GR6	SCH80	Weld	Welded	HEADER

11. Supports: Skirt ----- Lugs ----- Legs ----- Other ----- Structure ----- Attached ----- Bolted -----
 (yes/no) (No.) (No.) (Description) (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, Mfg's name and identifying stamp)

Tubes: 314 0.6250" OD, Straight 360" Length 16BWG Gauge / W.Thk SA-214 Rolled Tube Sheet
 Insp: 628 0.75" X 16 UNF THD'D SA-105 Plug Sheet

VESSEL EXEMPT FROM IMPACT TESTING PER UCS-66(a) CURVE D

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 on this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certification of Authorization No. 4241 expires 12/31, 2005

Date 5/5/03 Company Name Air-X-Changers, A Harsco Company Signed Ramona A. Thomas
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Air-X-Changers, A Harsco Company at Tulsa, Oklahoma

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 OneBeacon America Insurance Company have inspected the components described in this Manufacturer's Data Report on 4/22, 20 03 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this 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 loss of any kind arising from or connected with this inspection.

Date: 5/6/03 Signed: [Signature] Commissions: NB#11672A / OK#765
 (Authorized Inspector) (Nat'l Board (Inc. endorsements), State, Prov. and No.)