

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

117

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: Universal Compression, 4460 Brittonmoore, Houston, TX.
 (Name and address of purchaser)

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

4. Type: Heat Exchanger A018165.A1 ---- HDR-1 REV 0 43976 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
 Year

to ----- ---- NONE
 Addenda (Date) Code Case No. Special Service per UG-120(d)

6. Shell: SA516 70N 1.25" 0" 8.5000" 8' - 8.875"
 (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"	--	--	--	--	--	7.625"	X 104.875"
b	ENDS	0.875 "	0"	--	--	--	--	--	7.625"	X 6.25"

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

9. MAWP 1292 psi at max. temp. 350 °F
 Min. design metal temp. 50 Degrees F at 1292 psi. **hydro.**, pneu., or comb. test pressure 1680 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	2	8"	600# 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: 232 Tube to Tubesheet Welds, S/N M-2103-1L Front & Rear, Martin Service Co
 (Name of part, item number, Mfg's name and identifying stamp)

Tubes: 116 1.2500" OD, Straight 288" Length 18BWG Gauge / W.Thk SA249 TP304 Rolled Tube Sheet
 Insp: 232 1.375"X12 UNF THD'D SA105 Plug Sheet

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

CERTIFICATE OF SHOP COMPLIANCE

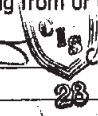
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship on this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certification of Authorization No. 4241 expires 12/31, 2005
 Date 4/29/03 Company Name Air-X-Changers, A Harsco Company Signed Ramon A. Torres
 (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 4/23, 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: 4/30/03 Signed: Ralph A. White Commissions: NB # 11672A / OK # 765
 (Authorized Inspector) (Nat'l Board (inc. endorsements), State, Prov. and No.)



FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

*N.B. 118
H3976 2/2*

1. Manufactured and certified by Martin Service Company 3123 N. Lewis Ave. Tulsa, Oklahoma
(Name and address of manufacturer)
2. Manufactured for Air-X-Changers 5215 Arkansas Rd. Catoosa, Ok
(Name and address of purchaser)
3. Location of installation Not Known
(Name and address)
4. Type Air-cooled exchanger M-2103-1L Front & Rear -
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)
- A018165-HDR-1 Air-X-Changers 2003
(Nat'l Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)
5. ASME Code, Section VIII, Div. 1 2001 July 2002 - -
Edition and Addenda (Date) Code Case No. Special Service per UG-120 (d)
6. Shell: (a) No. of course(s): - (b) Overall length (ft. & in.): -

No.	Course(s)		Material		Thickness		Long. Joint (Cat A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
	Diameter, in.	Length (ft. & in.)	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time

7. Heads: (a) - (b) -
(Material Spec No., Grade or Type) H.T.-Temp & Temp. (Material Spec No., Grade or Type) H.T.-Temp & Temp.

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A			
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.	
(a)														
(b)														

If removable, bolts used (describe other fastening) -
(Material Spec. No., Grade, Size, No.)

8. MAWP - - psi at max. temp. - - Internal External F. Min. design metal temp. - F. at - psi.
9. Impact test -
(Indicate yes or no and the component(s) impact tested)
10. Hydro., pneu., or comb. Test press. - Proof test -
11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom	Corr.		Nozzle	Flange	

12. Supports: Skirt - Lugs - Legs - Others - Attached -
(Yes or No) (No.) (No.) (Describe) (Where and How)
13. Remarks: Tube to Tubesheet welds only. 116 tubes 1.250 O.D.X .045 SA-249 TP304. Tubesheet material SA-516-70 Design and testing by others.

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

U Certificate of Authorization No. 30,230 Expires May 4, 2004, 19

Date 4-22-03 Name Martin Service Company Signed *Ronny Baker*
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

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 *Mr. Benon Chas. Meron Boston* have inspected the pressure vessel part described in the Manufacturer's Date Report on 4-22-03 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part described in this Manufacturer's Date 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 4-22-03 Signed *[Signature]* Commissions *01264*
(Authorized Inspector) (Nat'l Board (Incl. Endorsements) State, Prov. And No.)