

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

Additional Drawing No.

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

Header Volume (cu.ft.)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

- Manufactured and certified by Air-X-Changers, A Harsco Company, 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA
(Name and address of manufacturer)
- Manufactured for VALERUS COMPRESSION LP, 782 FM 1432, VICTORIA, TX, 77905, USA
(Name and address of purchaser)

3. Location of Installation UNKNOWN
(Name and address)

4. Type Exchanger Heat
(Horiz. or Vert. tank) 080464.1 (Mfr's serial No.) N/A (CRN) HDR-1, REV0 (Drawing No.) 62971 (Nat'l. Bd. No.) 2008 (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 2007 (year) to N/A (year) Addenda (Date) N/A

N/A Code Case Nos. N/A Special Service per UG-120(d)

6. Shell: SA516 70(N) Mat'l. (Spec. No., Grade) 1.25 Nom. Thk. (in.) 0.0625 Corr. Allow. (in.) 0' 7.75" (OD) Diam. I.D.(ft. & in.) 12' 0.375" Length (overall) (ft. & in.)

7. Seams: Corner Joint Long. (Welded, Dbl., Sngl., Lap, Butt) N/A R.T.(Spot or Full) C=.20 Eff.(%) N/A H.T. Temp (°F) N/A Time (hr) N/A Girth. (Welded, Dbl., Sngl., Lap, Butt) N/A R.T (Spot or Full) N/A Eff(%) N/A No. of Courses

8. Heads: (a) Mat'l: SA516 70(N) (Spec. No., Grade) (b) Mat'l: SA516 70(N) (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, BTM	1.125"	0.0625	N/A	N/A	N/A	N/A	N/A	6" x 144.375"	N/A
(b)	ENDS	.875"	0.0625	N/A	N/A	N/A	N/A	N/A	6" x 5.5"	N/A

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

9. MAWP 1440 (internal) N/A (external) psi at max. temp. 350 (internal) N/A (external) °F

Min. design metal temp. -10 °F at 1440 psi Hydro, pneu., or comb. test pressure HYDRO. at 1872 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
IN/OUT	2	6"	900# RFWN	SA105/SA106 GR.B	SCH-80	Weld	Welded	Header
DRAIN	3	1"	CPLG	SA105	6000#	Weld	Welded	Nozzle

11. Supports: Skirt NO (Yes or no) Lugs N/A (No.) Legs N/A (No.) Other Structure (Describe) Attached Attached Bolted Bolted (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:
(2) Box Headers SN 220-1 & 2, Industrial Enterprise, Inc.
(Name of part, item number, Mfg'r's name and identifying stamp)

(A) TUBES: 350 x .75" OD, Straight: YES, Length: 192", Gauge: 18BWG, Material: SA249 304 Rolled Tube Sheet (B) INSP.OPENINGS: 700, Type: 7/8x14UNF-Threaded, Material: SA105 (C) IMPACT REQUIREMENTS: IMPACT EXEMPT PER: UCS 66(a) & FIG. UCS-66, CURVE D. PIPE & FLANGE IMPACT EXEMPT PER: UG 20(f). Constructed in conformance with Appendix 28.

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. 4241 expires December 31, 2008

Date 07/21/2008 Co. name Air-X-Changers, A Harsco Company (Manufacturer) Signed Janine K. Jemel (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Air-X-Changers, A Harsco Company at 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province OK and employed by OneBeacon America Insurance Co., of Lynn, MA have inspected the component described in this Manufacturer's Data Report on July 26, 2008 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 07/26/2008 Signed William B. B... (Authorized Inspector) Commissions 12752A, OK951 (Nat'l Board (incl. endorsements), State, Prov. and No.)

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) 62971

**A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

1. Manufactured and certified by Industrial Enterprise, Inc., South Chouteau Avenue, Chouteau, Oklahoma 74337
(Name and address of Manufacturer)
2. Manufactured for AIR-X-CHANGERS, A HARSCO COMPANY, 5215 Arkansas Rd., Catoosa, Oklahoma 74015
(Name and address of Purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type: FRONT & BACK BOX HEADER 220-1 & 2
[Description of vessel part (shell, two-piece head, tube bundle)] (Manufacturer's serial number) (CRN)
080764-HDR-1 AIR-X-CHANGERS 2008
(National Board number) (Drawing number) (Drawing prepared by) (Year built)
5. ASME Code Section VIII Div 1 2007/NONE
(Edition and Addenda (date)) (Code Case number) [Special Service per UG-120(d)]
6. Shell (a) No. of course (s): 1 (b) Overall Length: 144.375"

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time	
4	5.6875"	144.375"	SA-516-70N	1.125"	.0625"	CJ	NONE					-	-	

7. Heads: (a) FRONT HEADER ENDPLATES SA-516-70N (b) BACK HEADER ENDPLATES SA-516-70N
(Material spec. number, grade or type) (H.T. - time & temp) (Material spec. number, grade or type) (H.T. - time & 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)	(2) FR. ENDS	.875"	1/16"					5.6875" X	5.1875"					
(b)	(2) BK. ENDS	.875"	1/16"					5.6875" X	5.1875"					

If removable, bolts used (describe other fastenings) N/A
(Material spec. number, grade, size, number)

8. MAWP N/A at max temp. N/A Min. design metal temp. N/A at N/A
(Internal) (External) (Internal) (External)

9. Impact Test NO. at test temperature of _____
Indicate yes or no and the component(s) impact tested

10. Hydro., pneu., or comb. test press. NONE 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	
CONN.	2	6"-900#	RFWN	SA-106-B	SA-105	S/80	.0625"	-	UW16.1a	TYPE 1	
CONN.	3	1"	CPLG	SA-105	-	6000#	.0625"				

12. Identification of parts

Name of Part	Quantity	Line No.	Mfr's Identification No.	Mfr's Drawing no.	CRN	National Board No.	Year Built
N/A							
N/A							

13. Supports: Skirt NO Lugs NO Legs NO Others NO Attached NO
(Yes or No) (Number) (Number) (Describe) (Where and how)

14. Remarks DESIGNED AND CALCULATIONS BY AIR-X-CHANGERS, A HARSCO COMPANY. WPS QUALIFIED IN PWHT & NO PWHT CONDITIONS.
INSPECTION OPEN.: (700) 7/8" X 14 UNF, PLUG SHEET.
(4) TUBE & PLUG SHEETS: SA-516-70N, 1.25" X 7.75" X 144.375". IN ACCORDANCE WITH APP. 28.

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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U Certificate of Authorization No. 27,012 Expires 05/13/2011
Date 07/02/08 Name Industrial Enterprise, Inc. Signed Steve Mahan
(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/or the State or Province of OKLAHOMA and employed by OneBeacon America Insurance Company of Lynn, Ma.

have inspected the pressure vessel part described in this Manufacturer's Data Report on 07/02/08 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 07/02/08 Signed Michael R. Pope Commissions OK 572
(Authorized Inspector) [National Board (incl endorsements) State, Province and number]