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 BOILER AND PRESSURE VESSEL CODE RULES, SECTION VIII, DIVISION 1

				Columbia (Columbia)										100.5						
1. Man	ufactured and	certifi	ed by :				AXI	H air-cod	olers, LLC		N 0 0		OAD - CLAF		, OKL	AHOM	A 740)17		
2. Man	ufactured for:						AG EQUI	IPMENT	COMPA				of manufactu IY, BROKEN		N, OK	74012	!			
3. Location of installation: UNKNOWN																				
4. Type HORZ. H. EXCHANGER					130724P	3	(Name and a NONE 130724-HDR-IC						STORY CONTROL OF STORY					2014		
(Horizontal, or vertical, tank)				(Mani		85.55	(CRN)				(Drawing number)			(National Board number)			(Year built)			
5. ASME CODE, SECTION VIII, DIVISION 1 2013 EDITION / NONE												per UG-1	20(D)1							
6. Shel	II TUBE/F	SA-516-7	-70 FR & BK			< 1 1/8"			.0625"			FR & BK 0' 8 13/16"			4' 2 3/8"				(-7)	
(Material spec. number, grade) (Nominal thickness) (Corr. Allow.) (Inner diameter) [Length (over											overall)]									
Body Flanges on Shells Bolting																				
No.	Туре	10	D	OI	D FI	inge Thk	Min Hub	Thk	Mat	erial	How A	Attached	Location	Num 8	Num & Size		/laterial	Washer (OD, ID, the) Wash	er Material
-			_	-		-	 					-	-			-		-	+	-
-	-			-		-	-	-		-		-	-	-		-		-		-
7.0		-		-		-	-		- NONE		<u> </u>			<u>- l - </u>						-
7. Seams CORNER JOINT NONE 1.0 NONE NONE *2)										
[Long. (welded, dbl., R.T. (spot or Full) (Eff., %) (H.T. temp.°F) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R.T. (spot (Eff., %) (No. of courses) sngl., lap, butt)]																				
8. Heads (a) Material WRAPPERS: SA-516-70 (b) Material ENDS: SA-516-70																				
(Spec. no., grade) (Spec. no., grade)																				
Location (Top,		Minimum		Corro		Crown	Knuckle			Elliptical		<u> </u>	Conical		Hemis				de to Pres	ssure
	Bottom, Ends)		kness Allowan			Radius	Radius			Ratio			Apex Angle						vex or Co	
(a)			n	063	625" -		_		***	_			-					** FL/		
		-						_					_ #1							
(b) ENDS 7/8" .0625" FLAT																				
				-		***		Bo	dy Flanges	s on Head	s									
				1.										В			olting			
	Location	Ту	ре	ID		OD	Flange Thk		Min Hub Thk		Mai	terial	How Attache	/ Attached Num 8		Size Bolting Material		Washer (OD, ID, thk) Wash	er Material
(a) (b)	-			_		-	-		-			-	-	-		-		-		-
(0)				-					-	•						_				
9. N	IAWP	845	psi.			N/A			at max. temp		350 °F		N/A							
(Inter							(Extern					(Internal)		126			(External)			
	lin. design me		_			20 °F	at		845		psi.		Hydro., pneu.	or comb.	test pr	ressure		1268	psi.	
Р	roof test		NONE																	
10. No	zzles, inspecti	on, and	d safet	y valv	ve openir	gs:														
Purpose		Diameter					Material			Nozzle Nom.		ickness		Reinforceme Material		ent Attachr Nozzle		ent Details	_	cation
(Inlet,Outlet,Drain)		No.	or size 8"-600#		Type PIPE/RFV	\rightarrow			ange \-105	S/8		.06	_	NONE		UW-16(a)		Flange UW-12(1)		. Open.) ADER
INLET/OUTLET		1	1"		CPLG	200	A106-B S A-105		20.00	600		.06		NONE		UW-16(a)				ADER
INSTRUMENT PLUGS		106		\rightarrow	UNF	_	A-105		-	600	U#	.00.	20	TONE		0 VV - 10(a)				ADER
PLUGS		100	1 3/0	3"-12 UNF			DA-103	103		 			-			 		<u> </u>	1115	ADLIX
-				-						-							\dashv		+	
				-		-				 		-				_	-		+	
11 00	ports: Skirt		NC		Lugo		N/A	i	000	N1/	Λ	Oth	or 91	RUCTU	DE	Λ#aa	bod.	D.	OLTED	
11. Supports: Skirt No. (Yes o						Number)		egs	N/A (Number)		. Оп		(Describe)		Attached -		(Where and How)		(M)	
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following																				
items of the report:																				
items o	or the report:						(Name of a	and Home	aumbas I	lan dantur		o ood id	lentifying star	mm\						
****					BBEBS 5:	. .								iip)						
	ERS, ONE AT E					AT DIA. 7	' 3/8" X 4' 2	J/8".	***ENDS	FLAT DIA	. / 3/8"	Х б 13	/16".			****		<u> </u>		
-	S SA-214 1 1/2			W 52'	0" LG.					-2 - 10000000000000000000000000000000000		W 1000 F 1000 F								
IMPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.																				

FORM U-1A (Back)

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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of-Authorization Number 34,950										
expires 02/07/2017										
Date 11. 3. 2014 Co.	name AXH air-coolers, LLC	Signe	Leves Weeks							
	(Manufacturer)	_	(Representative)							
CERTIFICATE OF SHOP / FIELD INSPECTION										
Vessel constructed by	AXH air-coolers, LLC.	at 40	1 E. LOWRY ROAD - CLAREMORE, OKLAHOMA 74017							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by										
ONECIS INSURANCE COMPANY OF LYNN, MA										
have inspected the component described in this Manufacturer's Data Report on 10-30-14, and state that, to the best of my knowledge										
and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOJJER 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 described in this Manufacturer's Data Report. Furthermore meither 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 transfer connected with this inspection.										
Date // Signed / Commissions NB12461A OK883										
(Authorized Inspector) [National Board (incl. endorsements)]										