## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS PO #: PO18100F-REVISED:2 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) Item #: HRS-ACC-1 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

Manufactured and certified by						Kelvion, Inc. Thermal Solutions 5202 West Channel Road Catoosa, Oklahoma 74015 (Name and address of Manufacturer)													
2. M	anufactured fo	r			Fre	v Pro	cess	Group	, LLC 15	305	Stony Cre	ek	Way No	blesville IN 4	6060 United S	tates			
3. Lo	ocation of insta	llation		Aer	merge Red	lpak S	Servi	ces SC	C, LLC 96	1.0	E Avenue	TA	G: PO#	44 #9391468	Hesperia CA	92345	United	States .	
4 T	vne Poet	angular	Vesse	<b>1</b>		2.107	746-1	_B			N/A	and	d address)	6010HDR REV	2	10111		2017	
Type Rectangular Vessel     (Horizontal or vertical, tank)				(Manufacturer's serial number)									Drawing number) (National Br						
5. AS	ME Code, Sec	ction VI	II, Divis	sion 1		2	2015				SEATT A THE SEATT			/A				/A	
					[Edition and	Adder	nda, if	applicab	le (date)]	-				e numbers)		[Spec	ial cervice	per UG-120(d)]	
6. S	hell	/Materia	SA516	6-70 number, g	anda)		_	/Mamis	1" nal thickness			1/1	l6" allow.)		6 3/4" (Inner Diameter)			(Length (overall))	
_		(Materia	ai spec. n	number, g	rade)						s on Shel	_	allow.)		(Inner Diameter)			[Length (Overall)]	
<u> </u>		1			Т	$\neg$	_	<del></del>	ouy riai	lige	S OII SHE	I			В	olting			
No.	o. Type	1.	_	OD	Floors This		Min Hub Thk		Material	ш	How Attached		Location	Num & Size	Bolting Material	208	asher	Washer Material	
INC	o. Type	-	ID OD		Flange Thk		Min Hub Trik		iviateriai	п	now Attached		Location	Num & Size	Doiling Waterial	(OD, ID, thk)		vvasner iviateriai	
						_								-1933 - Xin					
-		+-	-			+				-		$\vdash$	٠.						
7. Se	ams C	orner J	oint		N/A		100	0%	N/A		N/A	_		N/A	N/A		100%	N/A	
		(welded, c	lgl., sngl.	. [	R.T. (spot or f	ull)]		f., %)	(H.T. tem	p.)	(Time, hr)	•		velded, dgl.,	[R.T. (spot or ful	1)]	(Eff., %)	(No. of courses)	
		lap, butt	5.7.0				70				4			lap, butt)]	CAFA	0.70			
8. He	eads: (a) Mate	eriai —				1516- no., g				- 100	_ (b) M	ate	riai		SA51 (spec. no		)		
1	Location (Top,	Minim	um T	Corrosio	1 1	Knuc		Elliptical	Conical	1	Hemispheric	al				T		de to Pressure	
	Bottom, Ends)		ness Allowan				adius Ratio		Apex Ang		Radius			Flat Diameter			(Convex or Concave)		
(a)	Top & Bottom	7/8" /	3/4" 1/16"		SPAN	PAN **		N/A	N/A	$\neg$	N/A FT:		FT: 9	3 1/2" X 13' 3/8" RT: 7 3/8" X 13' 3/8			/8" N/A		
(b) End Plates 7/8" / 3/4" 1/16" SPAN ** N/A N/A N/A FT: 9 1/2" X 1' 1 7/8" RT: 7 3/8" X 1' 1 7/8"						7/8"	N/A												
_	***												-						
-		1			_				Body Flar	nge	s on Head	IS		T	D.	olting			
ĺ	Location		Туре		- 1										1	T w			
					OD		Flange Thk M		lin Hub Thk	Material Ho		w At	tached	Num & Size	Bolting Material	(OD, ID, thk)		Washer Material	
(a)									- 666					- H-S					
(t	)			10	1														
9. N	MAWP	340			N/A						at max. temp.			475°F			N/A		
	(Internal)				(External)										(Internal) (External)			External)	
	in. design met			25°F	_ at _	3	340 F	SI	'	lydr	ro., pneu.,	or o	comb. I	est pressure		44	42 PSI		
F	Proof test	N	/A																
10.	Nozzles, inspe	ection, a			lve openin	gs:												- 4	
(Inlet	Purpose (Inlet, Outlet, Drain, ect.)		Diamet No. or Size				Mate				Nozzle Thi Nom.			Reinforcement Material	Attachme			Location (loss Open)	
(miet,	INLET	) No.	or Size 10"-300#		Type PIPE/RFWN		Nozzie SA106-B		Flange SA105		SCH 140	-	/16"	INTEGRAL	Nozzle UW16.1(a)	_	ange N/A	(Insp. Open.) FT HEADER	
	OUTLET	2	8"-3	_	PIPE/RFV	$\rightarrow$		106-B	SA105	_	SCH 120	-	/16"	INTEGRAL	UW16.1(a)	_	V/A	RT HEADER	
	VENT/DRAIN		1"		CPLG		SA105		N/A	7	6000#	-	/16"	INTEGRAL	UW16.1(a)	_	V/A	FT/RT HEADER	
	AUXILLARY	8	3/4	4"	CPLG		SA	105	N/A		6000#	1	/16"	INTEGRAL	UW16.1(a)	1	N/A	INLET/OUTLET	
										$\Box$		$\Box$						NOZZLES	
L	1 and							. = -0				L							
<ol><li>Supports: Skir</li></ol>			N/A			/A	Legs		N/A	_	Other			/A			N/A (Where and how)		
10	D		res or no			mber)			(Number			^		cribe)					
12.	items of the		acturer	rs Part	iai Data Ri	eports	s prop	регіу іс	ientified a	ana	signed by	N/		nea inspecto	rs have been f	urnisn	led for t	ne following	
	iterna or tile	cport				33		(N	lame of pert,	, item	number, Mar			me and identifying	stamp)				
TUBE	S: (336) SA-2	14 1" C	D. X (	0.083"	MW X 32'	STRA	AIGH												
	STRUCTED IN														)				
	1' 3 5/8" X 13'						_										3.6		
									575 ( )			_							

## FORM U-1A (Back)

	CERTIFICATE OF SHOP/F	IELD COMPLIANCE	
We certify that the statem	ents made in this report are correct and that all de	tails of design, material, construction a	nd workmanship of this vessel
conform to the ASME BOIL	ER AND PRESSURE VESSEL CODE, Section V	III, Division 1. "U" Certificate of Authoriz	zation Number 12007
expires 3 June 2017	(1000) 1900, (1000) 1.000 (1000) 1700 (1700) 1700 (1700) 1700 (1700) 1700 (1700) 1700 (1700) 1700 (1700) 1700 -		12007
Date 1/8/17	Co. name Kelvion, Inc. Thermal Solu	tions Signed	//
Date 1/8///	(Manufacturer)	tions Signed	
			(Representative)
	CERTIFICATE OF SHOP/F	TELD INSPECTION	
Vessel constructed by	Kelvion, Inc. Thermal Solutions		Road Catoosa, Oklahoma 74015
I, the undersigned, ho	olding a valid commission issued by the National E	loard of Boiler and Pressure Vessel Ins	pectors and employed by
	ONECIS INSURANCE COM		
have inspected the compo	nent described in this Manufacturer's Data Report	1/6/M	
			, and state that,
	d belief, the Manufacturer has constructed this pr		
	Division 1. By signing this certificate neither the Ins		
implied, concernin the pressure	e vessel described in this Manufacturer's Data Rep	ort. Furthermore, neither the Inspector	nor his/her employer
shall be liable in any manner fo	r any personal injury or property damage or a loss	of any kind arising from or connected v	with this inspection.
101-	· // /-A		
Date / / 9 / 17	Signed	Commissions	NB12736A OK914

(07/13)