FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

														20101101	-01 /	CADI	ALCONIA	ALAGO (
1. 1	Manufactured a	nd cert	ified by	, SCHV	VARTZ-H	IAUTI	ГИОМ	C.M.S.A	. Anti	gua ctra d Name and ad	e Vale dress of	ncia : Manufa	s/n 4344 acturer)	80 VILASE	CA (IARI	KAGUNA) SPAIN	
	Manufactured fo								(Name	and address o	f Purcha	ser)							
3. L	ocation of insta	allation	YOF	RKTOW	N, VA (U	.S.A)				(Name and	address)				0411		- 7	
	ype: VERTI								?	-		200.000			684- (Mfg's s				
es, 1		(Ho	riz, vert.,	or sphere)	EA	4 สากก	0a04-	(lank, separ 400 Rev8	ator, jkt. }	vessel, heat e	135_				900	20	05		
4. Type: VERTICAL REACTOR (Horiz, vert, or sphere) NA 684s000a04-400 Rev8 (CRN) (CRN) 5. ASME Code, Section VIII, Div. 1 Ed. 2004 [Edition and Addenda (date)]										•							r built) NE		
5. A	ASME Code, Se	ction V	III, Div.	1	Ed. 20	004 and Add	lenda (d	ate)]		(Co	NA de Case	No.)	-			Service	per UG-120		
ltems	s 6–11 incl. to b	е сот	pleted t	for single	e wall ves	ssels,	jacket	s of jacke	ted ve	ssels, sheli	of he	at exc	hangers	, or chaml	ber of	mult	ichamber	vessels.	
6. 5	Shell (a) No.	of cour	se(s):		4			(b) Overa	all leng	gth (ft & in	.):		23' 8.0	14"					
Course(s) Material Thickness									1	.ong. Joint (Cat A)		Circun	. Joint (Cat.	A, B, 8	COOK!	Heat Tre		
No.	Diameter, in.	Length	(ft & in	.) Spec	Spec./Grade or Type			. Corr.	Туре	Type Full, Spot,				Full, Spot,		Eff.	Temp.	Time	
3	65.98"	5'1	1.02"		(1)			" 0	1	FULL	27.		1	FULL		1_	1283°F		
1	65.98"		0.98*		(1)		1.34	0	1	1 FULL		1_	1	FULL 1		1_	1283°F	120min	
							<u></u>		•	0.1	207.0	-111	1 - 10	M SA 240	Tp3/	7 10	83°F 120	min	
7. F	leads: (a) SA	387 G	r11 Cl	c. No., Gra	SA 240 de or Type)	Гр347 (н.т. –	7 1283 Time &	3ºF 120 m Temp.)	าเก	(b) <u>SA</u>	38/6	Mat'l S	pec. No.,	Grade or Type) (H.T. –	Time	& Temp.)		
		Thick			D. dina			Conical	Ues	nispherical	Flat		Side to	Side to Pressure		Cat			
	Location (Top, Bottom, Ends)	Min.	Corr.	Crown		Ellipt Rat		Apex Angle		. 1		eter	Convex	Concave	Туре	Ful	l, Spot, Noi		
(a)	TOP	1.34"	0	NA	NA	2:	1	NA		NA	NA		NA	. NA	1	_	FULL	1	
(b)	воттом	1.34"	0	NA	NA .	2:	1	NA	NA		N.	A.	NA	NA	NA 1		FULL	_ 1	
_	novable, bolts	used (c	lescribe	other f	astening)			N/	١				Grade, siz	No.1					
									la	n ocket clasu	natispe re	C. NO.,	Glaue, SIA	ascribe as oge	N.	Α			
	Type of jacket								00	icket Glosu			(D	escribe as oge	e & wel	l, bar,	etc.)	= akatab	
l	f bar, give dime	ensions	š. ——			NA	÷												
9 1	MAWP 815	5	14.7	psi	at max, te	emp.	8	00	350	°F Mi	n. des	ign m	etal tem	ър. <u>0</u>	-	°F at	815	psi.	
				1)	YES (SHFI	(inte	mal) D HFADS	external)			at test t	temperatur	e of _		0	°F.	
10. I	mpact test			[Indica	ate yes or no	and th	e comp	D HEADS onent(s) impo	ect teste	d)									
11. F	-lydro., pneu., c	or com	b. test p	oress.		105	9.5		Proof	test				NA					
ltom	s 12 and 13 to	he con	noleted	for tube	sections														
	Tubesheet:						١		10.	NA lom. thk., in.)			Corr. A	A flow., in.)	- IA	ttachn	NA nent (welded	or boited)]	
			ALA			1.1	A	3SS.JJ		NA			N	Α	NA				
		Floating (Mat'l Spe	c. No.)]		(Dia., i			(Nom. thk., in.) NA			(Corr. Allow., in.) NA			(A	(ttachment)			
13. 1	Tubes: (Mar'i Sp	ec. No	Grade or	Type)	(0	.D., in.)			lom. thk	, in. or gauge)		(Num		-	Ту	pe (Straight o	or U)]	
Ham	o 14_18 incl to	he cor	nnleted	for inne	er chamb	ers of	jacker	ted vessel	s or cl	hannels of	heat e	xchai	ngers.						
14. 5	Shell (a) No.	of cou	rse(s)		NA			(b) Over	all len	gth (ft & in	ı.):			NA			-		
	Course				Material		0.000	ickness	Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Tre	Т —			
No.	Diameter, in.	Lengti	n (ft & ir	L) Spec	JGrade or	Туре	Nom	, Corr.	Туре	Full, Spot	, None	Eff.	Туре	Full, Spot,	None	Eff.	Temp.	Time	
														-		-	-		
												-	-		- 1		-	-	
			4							<u> </u>		<u></u>	لــــــــــــــــــــــــــــــــــــــ	-		-			
15. I	Heads: (a)		(Mat'l Spe	c. No. Gra	ade or Typel	(H.T	Time &	Temp.)		(b)		(Mat'l	Spec. No.,	Grade or Type) (H.T. –	- Time	& Temp.)		
15. Heads; (a) (Mat'l Spec. No., Grade or Type) (H.T. –								10000 0000 000	Т.			\Box	Side to	Side to Pressure		Cate			
	Location (Top,	1 ()			Radius Crown Knuckle		tical tio	Conical Apex Angl	22 (22)	nispherical Radius	Fla Diam		Convex	Concave	Туре	Ful	II, Spot, No	ne Eff.	
-	Bottom, Ends)	Min.	Corr.	Crown	Middle	l na	-	- Pox Aigi	-										
(a)						-	-		1										
(b)	L L L L		doscrile	o other f	actoring	-												1	
If rei	movable, bolts	used (escrib	e omer t	astening)					(1	Mat'l Spe	c. No.,	Grade, siz	e, No.)		10000			
									-				107057	200		(Microsophia	in the same of the		
(7/ 00)	This form	(E00108)) may be	obtained	d from the	Order	Dept.,	asme, 22 L	aw Dri	ve, Box 230	o, Fairfi	ela, N.	0/00/-2	300.					

E00108

\$ 105977

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1 Manufactu	red and certified	hv _	SCHWART	Z-HAUTMON	T C.M.S.A. A	entigua ctra	de Valencia	s/n 4348	0 VILASECA, (TA	RRAGONA) S	PAIN			
1. Manufactu				102 329 4			Carrie and address			22				
2. Manufactu	red for LIN	NDE B	OC PRO	CESS PLA	NTS LLC-	(Name a	nd address of Pur	chaser)	1000 1000 1000 1000 1000 1000 1000 100					
O Leantion o	f inetallation		YORK	OWN, VA	(U.S.A)	3	20.00							
3. Location o	T installation =						(Name and add	ressi	684-04	1/4				
4. Type: _	vertical				REACT	r, heat exh., etc.)			(Mig's, serial No.)					
4. 1)par -	(Horiz., vert., or spriere)						ni (0		135		2005			
NA NA					684s000al		340		(Nat'L Bd. No.) (Year bo			t)		
	(CRN)		9											
	Report Number		15	2.7	1,27		Remar	ks		12	1,			
ITEM	19:						r =		Reinforcement	How Attache	ed.	Location		
PURPOS	SE	No.	Diameter	Flange	Mate	1	Nozzle T	Corr	Material	Nozzle	Flange			
			or size	Туре	Nozzle	Flange	Nom. .66*	.0*	INTEGRAL	UW 16.1 (e)	-	-		
SSTEAM OU	т	_1	2"	600 LWN	(1)		.00	1 .0	INTEGRAL	15				
Certificate of	f Authorization:	Туре		No	27762			Expires	APRIL-			3		
	r-9-200r		SCHV		(Manufacture	r)	M		gnedN	Page B 11654 A		20		
Date _	15.9.20			Igitie		horized Inspector)			ommission (Nat)	Board Incl. endorsem	ent, State, Pr	ovince and No.)		

NA	NIA	0 <u>4</u> 55			-U IVINU-				λIΛ		MA
16. MAWP NA (internal)	(extern	psi at	max. temp	, INA	al) (exte	emsl) •F	. Min. de	sign metal temp		_ °F at _	NA psi
17. Impact test			NA					at test ter	nnoraturo o	f	NA ∘F
		[Indicate	yes or no and	the compon	ent(s) impact t	tested)		ut tost to	протилого		
18. Hydro., pneu., or co	mb. test	press		NA	Pi	roof test		3/2	NA		
19. Nozzles, inspection	, and safe	ety valve op	enings:		*					92	
	T	ri		Mat	terial	Nonle 1	hickness	[How At	tached	
Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Nozzle	Flange	Nom.	Corr.	Reinforcement Material	Nozzle	Flange	Location (Insp. Open.)
WVAPOR OUTLET	1	6*	LWN 600	(1)	- Trunge		0	INTEGRAL	UW 16.1 (e)	Trange	(insp. open.)
B LIQUID OUTLET	1	6"	WE 600	(1)		.72"	. 0	INTEGRAL	UW 16.1 (e)		
D DRAIN	1	2"	LWN 600	(1)	-	.66"	0		UW 16.1 (c)	-	- 1
F MAIN INLET	1	8*	WN 600	(1)	-	.60*	0	INTEGRAL	UW 16.1 (e)	T .	TOP HEAD
L1/L2 LEVEL GAUGE	2	2"	LWN 600	- (1)	-	.66*	. 0	INTEGRAL	UW 16.1 (e)		
M MANWAY	1	18*	LWN 600	(1)	-	1.75*	. 0	INTEGRAL	UW 16.1 (c)	-	-
L3-6 LEVEL TRANSMITER	4	2"	LWN 600	(1)		.66"	0	INTEGRAL	UW 16.1 (e)	-	-
20. Supports: Skirt(Ye	YES_ I	ugs 2	Leas	NO ·	Others		NO	Attached	WE	LDED TO	SHELL
(Ye 21. Manufacturer's Part							scribe)			Where and he	
the report: (List the)	(1) MATERIA									
EEF HOITIGING.		(1) MATERI			Control to the second			247)			
	and a first of the control of the co	VALVES ON			1102+(WOL EN-3	USL T EK-	347)			
e	OAI LII	VALVES ON	LATERNA	LFIFING						7,5	
We certify that the staconform to the ASME U Certificate of Author Date 15-9-2005	Code for ization N Name S	Pressure Ve o CHWARTZ-I	essels, Sect 27762 HAUTMONT (Mai	C.M.S.A.	Division 1. Applies APP	OP INSPE	Signed	J.SALVADO	(Representa	ative)	
I, the undersigned, hold of PENNSYLVANIA a have inspected the pre	nd emplo	oyed by LR	INSURANC	E INC.			of	DELAWARE			te or Province
state that, to the best o VIII, Division 1. By signi vessel described in this personal injury or prop Date 15.9.200	f my kno ng this ce s Manufa erty dam	wledge and ertificate neit ecturer's' Dat nage or a los	belief, the l her the Insp a Report. F as of any ki	Manufacto pector nor urthermo nd arising	urer has co r his emplo ore, neither g from or c	nstructed yer makes the Inspi onnected	this press any warr ector nor l with this	ure vessel in acc anty, expressed on his employer sha	cordance wit or implied, c all be liable	h ASME (oncerning in any ma	the pressure anner for any
We certify that the state requirements of ASME	Code, Se	on this repo ection VIII, D	ivision 1. U	FICATE O ect and the Certifica	te of Autho	orization l	Vo		s of this ves Expires (Representative		rms with the
I, the undersigned, hold of	and emp	oloyed by	CERTIF on issued b	CATE OF by the Nat	FIELD AS	SEMBLY I	NSPECTION and Pres	DN sure Vessel Insp	ectors and/o	r the State	
of	erred to a the best ection Vi te neithe acturer's ge or a l	is data items of my knowl III, Division 1 er the Inspe Data Report oss of any k	edge and b I. The desc ctor nor hi I. Furtherm ind arising	pelief, the ribed ves s employ ore, neith from or o	Manufactu sel was ins er makes a er the Insp	rer has co spected a any warra	not includ onstructed nd subject anty, expre his emplo	ed in the certific and assembled ted to a hydrosta essed or implied yer shall be liab	ate of shop this pressure atic test of _ I, concernin	inspection e vessel in g the pre	n, have been n accordance psi.
Date	Signed		(Authorized In	spector)	(Commissi	ons	(Nat'l Board Incl. en	dorsements, Sta	te, Province	and No.)

#105977