#108178

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

R001248

 Manufactured and 	certified by PFAUI	DLER, INC.,	1000 WEST A	VENUE, R	COCHESTER	Name and ad	dress of M	o i i fanufacture	H)						
2. Manufactured for	Occidental Chemi	ical Corporation	on. P O Box 2	27702, Ho					,						
					(Name	e and address	OF PUICIES		งรกร						
3. Location of Installa	ition Occidental	Chemical Co	poration, But	ialo Avent	16 % 2310 2n	(Name ar	nd address	5, 141 1	4302						
4. Type: Vertical Jacketed Vessel, RS60-1300			RS60-1300	J016966						R971323Sht.1 Rev.D			49078		1997
(Horiz., vert.,	or sphere) (Tank sep	oarator, jkt. vesse	l, heat exh., etc.)				((CRN)		(Draw	ing No.) NA	(1	latil, 8d.	No.) (Year built)
ASME Code, Sect	ion VIII, Div. 1		5, Addenda 1 d Addenda (date)		Code C					Specia	Service per	UG-120(d)		
Items 6 - 11 Incl. to b	e completed for si	nole wall vess	sels, jackets o	f jacketed	vessels, she	ell of heat of	exchang	jers, or c	hamb	er of multi	-chamber	vessels			
6. Shell (a) No. of co				, (b) Overall len	gth (ft & in	.):				8' 2-1/4	4"			
			eiol	Thick	2200	Loog	Joint (Ca	at A)		Circum.	Joint (Cat.	A, B & C	()	Heat Trea	alment
Course		Material Spec (Grade of Type		Nom. Corr.				ot, None Eff.		Type Full, Spo			-	Temp.	Time
No Diameter, in Length (ft & in.) 1 66" OD 8' 2-1/4"		Spec./Grade or Type SA-516 Gr 70		3/8"	1/16"	1		None None		1, 2				NA	NA
1 66 OD	6 Z-1/4			+											
7 11 3- : /=\			NA			(b)			*		516 Gr 70				
7. Heads: (a)	(Mat'l	Spec. No., Grade	or Type) H.T T	ime & Temp		+			T-4	Spec. No., G) H.T Ti			
Location (Top,	Thickness	Kad	Radius		Emplical Conical		1 -	Flat		Side to Pres	Concave			ategory A Full, Spot, None Eff.	
Bottom, Ends)	Min. Corr.	Crown	Knuckle	Ratio	Apex Angle	Radius	U	ameter	Co	nvex (oncave	Турс		in, opor, in	ARG EII.
(a) NA	4140	66"	4"	NA	NA NA	NA NA		NA		No	Yes	S	-	None	85%
(b) Bottom	.437" 1/16"		i		IVA	104		101	J						
If removable, bolts u	sed (describe othe	r fastening)		10/10 (0)	- ***	(1 mm) (1 mm) (1 mm)			IA Condo	, Size, No.)					
		FIG 9-2,	Tuna 5		.la	cket closu		apec. No.	, Grade		FIG 9-5,	(b-2)			
8. Type of jacket		rio 5-2,	Type 5			onor blood				(Describ	e as ogee &	weld, bar,			
If bar, give dimens	sions				NA							. If bolt	ed, de	scribe or s	ketch.
0.51414/19 0.5/0	e	noi et r	nav tomp	450	1	NA ° F	= Mir	n. desiar	n meta	al temp.	-20	۰F	at	95	psi.
	5w/FV N/ ernal) (extern		nax. temp.	(interna	nl) (ext	temal)							50000		<u> </u>
40 1			name (marine e)	No,	exempt from	impact te	sting pe	r UG-20	(f).						
44 11	as Hilling toot gross		143	3 psi	icate yes or no	Proof		iipaci tooto	٠,		N/	A			
11. Hydro., #####, Items 12 and 13 to b	or games, lest pies a completed for tu	be sections.	143												
12. Tubesheet:		2-13 NA													
(Z. Tubeshieet.		at I Spec. No.)		Dia., in (subjec	ct to press.)	Nom. thk.	, in.	Corr	Allow.	in.		Attachme	int (weld	ed or bolted)	
					TIL	m. thk., in.			orr. Allo	w in			Attachn	nent	0
	ting (Mat'l Spec. No.)		Oia., in	1.	NO	m. m., m.		Ü	UII. A	/w., nc			ratesini		
13. Tubes:	Mat'l Spec. No., Grad	de or Yvpe	ő.	Ď., in.		Nom. thk.,				Nu	mber	-	Тура	(Straight or	U)
Items 14 - 18 incl. to	be completed for	inner chambe	ers of jacketed	l vessels o	r channels o	f heat exc	hangers	.							
14. Shell (a) No. of o			2		(b) Over	rall length ((ft & in.):	:			<u>7</u> '	8*			
Course		Mat	erial	Thick	kness	Long	. Joint (C	at. A)		Circum	. Joint (Cat	. A, B &	C)	Heat Tre	eatment
Course			de or Type	Nom.	Corr.	Туре		ot, None	Eff.	Туре		oot, None		Temp.	Time
No Diameter, in 1 60° ID	Length (ft & in) 5' 8"		6 Gr 65	5/8"	1/16"	1	+		70%	1		one	70%	27-6	27-6
2 60" ID	2' 0"	and the state of t	6 Gr 65	5/8"	1/16"	1	No	one	70%	1	N	one	70%	27-6	27-6
. 2 . 00 15			77272	1	1	*** *** **** ***									
15 Heads: (a)	HE MODEL FOR STREET	SA-516 Gr 6	5 Per Appen	dix 27-6		(1	b)			SA-516 G					
15. Heads: (a)	(Ma	ri Spec. No., Gra	de or Type) H.T	Time & Temp					(Mat	1 Spec. No.,		e) H.T 1	ime & T	emp.	
Location (Top,	Thickness		dius	Elliptical	Conical	Hemisphe	1	Flat	-	Side to Pre		7		tegory A	ODO ER
Bottom, Ends)	Min Corr	Crown	Knuckle	Ratio	Apex Angle		S D	iameter			Concave	Тур	9 1	ull, Spot, N None	one Eff. 85%
(a) Top	.625" 0"	NA	NA NA	2:1	NA NA	NA NA		NA NA	1	Yes Yes	Yes	S		None	85%
(b) Bottom	.625" 1/16"	NA NA	NA .	2:1	NA NA	NA	i		lA.	169	103	1		14010	0070
If removable, bolts u	used (describe othe	er fastening)					(1100)			Siza No.)					

	100/FV (internal)	110 (external)	psi at max. temp.	450 (internal)	450 (external)	°F	Min. desi	gn metal temp.	-20 ° F	at	100 psi.	
17. Impact test		112/10/20/20/20/20/20/20	sting per UG-20(f).	(Indicate ye	s or no and the c	component(s)	impact tester	1)	•		- \	
19 Hydro ####	u., or comb. tes	t pressure	100			of test		27 - 590	NA			
	pection, and safe											
	Diameter	Flange		terial		Nozzle Th	ickness	Reinforcement	How At	tached	Location	
Purpose (inlet,			Nozzle		inge	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open.)	
Outlet, Drain, etc)		Type	SA-836		-836	9/16"	0"	NA	Note 1	Integral	NA	
Manway/Cvr		LAPJT	SA-836		1 CI 60	7/16"	0"	NA	Note 1	Loose	NA	
Inlet	1 8"	+	SA-836		11 CI 60	29/64"	O.,	NA	Note 1	Loose	NA	
Inlet		LAPJT	SA-836		11 CI 60	3/8"	0,,	NA	Note 1	Loose	NA	
Inlet/Outlet	7 4"	LAPJT	SA-836		31 Cl 60	11/32"	0"	NA	Note 1	Loose	NA	
Inlet	1 3"	LAPJT	SA-216 Gr WCA		-105	CL 150	0"	NA	UW-16.1c	Loose	NA	
Jkt Conn	2 3"	LAPJT			-105	CL 150	0"	NA	UW-16.1c	Loose	NA	
Jkt Conn	4 2"	LAPJT	SA-216 Gr WCA 4 Legs		Others	OL 100	NA	Attache		elded to jac	kat ehall	
NA 22. Remarks: Co Note 1: Ca	onstructed	in Con	formance With A swaged opening provided and in r #:58-P044-00	Appendix , E = 70%	%. Inne	r vess omer.	el hyd Inspe	rotested in ction openin	gs prov	ded pe	r UG-46.	
the ASME Cod	at the statement de for Pressure V f Authorization N	essels, Sec	this report are correct antion VIII, Division 1.	CERTIFICATE OF SHOP COMPLIANG correct and that all details of design, material, on 1. 408			construc	Expires December 31,			2000	
Date 11/2	Date 11/21/97 Name				C.			Signed Signed (Representative)				
				(Manufacturer) RTIFICATE	OF SHOP IN	VSPECTA	ON					
I, the undersign	ned, holding a va	lid commiss	sion issued by The Natio					ctors and the State	or Province o	of	NY	
and employed			am Boiler Inspection an			of	f	Hartford, Conr	ecticut	1	nave inspected	
the pressure ve Manufacturer	essel described has constructed es any warranty, per shall be liable	this pressur	facturer's Data Report of eversel in accordance or implied concerning the ner for any personal injury	with ASME C	reedi aberina	loss of ar	ision 1. By	sing from or connec	cate neither to urthermore, r ted with this i	he Inspect neither the nspection.	or nor his Inspector	
	11.1		(Authorized					(Nat'l Board incl.	endorsement, S	ate, Province	and No.)	
1.78		on this reno	CERTIFIC rt are correct and that	CATE OF FIE the field asse	LD ASSEMI embly constru	BLY CON action of a	IPLIANCE II parts of	E this vessel conform	s with the req	uirements		
We certify that Code, Section U Certificate of	VIII, Division 1. of Authorization N	0.	S DOMESTIC CONTRACTOR				Ехр	ires Signed				
We certify that Code, Section	VIII, Division 1. of Authorization N	0.					Ехр	signed	(Represe	ntativa)		
We certify that Code, Section U Certificate of Date	VIII, Division 1. Authorization N	o. łame		(Assembler)	ELD ASSEM	IBLY INS	PECTION	Signed	(Represe	ntativa)		
We certify that Code, Section U Certificate of Date	VIII, Division 1. If Authorization N Ined, holding a value.	o. lame alid commiss	CERTIFE sion issued by The Natio Manufacturer's Data	(Assembler) CATE OF FILE Onal Board of I	ELD ASSEM Boiler and Pro the describe	IBLY INS essure Ve	PECTION ssel Inspe	Signed ctors and the State of and state that	(Represe	of to as d	ata items	
We certify that Code, Section U Certificate of Date I, the undersig and employed have compare	VIII, Division 1. If Authorization N Ined, holding a value by ed the statemer	o. lame alid commiss	CERTIFICATION CE	(Assembler) CATE OF FIE onal Board of I	ELD ASSEM Boiler and Pro the describe	IBLY INS essure Ve	PECTION ssel Inspe core vessel	Signed ctors and the State of and state that re been inspected b	or Province of parts referred yme and to to	of to as d	ata items	
We certify that Code, Section U Certificate of Date I, the undersig and employed have compare and belief, the was inspected	MIII, Division 1. If Authorization Notes in the statement of the statemen	o. Jame Ja	CERTIFIC Sion issued by The Nation Manufacturer's Data , not inc ucted and assembled th	(Assembler) CATE OF FILE Onal Board of I Report with cluded in the clude	ELD ASSEM Boiler and Pro the describe certificate of s essel in accor psi. By signi	IBLY INS essure Ve ad pressur shop insper dance withing this ce Report. g from or	PECTION ssel Inspe cre vessel ection, hav h ASME Contificate ne	ctors and the State of and state that the been inspected becode, Section VIII, Delther the Inspector	or Province of parts referre y me and to to this into the provincient 1. The province of the p	of to as de the best of the describe	ata items my knowledge ed vessel	

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

R001248

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certificate of Authorizate 11/21/97		,	U PJF	AUDLER,		408	Expires Signed	De L	ecember 31,	200	
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			1								
		3000#	0"		VA İ	UW-16.1c	NA I		NA		
		3000# 0"		I NA I		UW-16.1c	I NA I	Jacket Shell/Head		<u> </u>	
		Nom. Corr.		Material		Nozzle	Flange	(Insp. Open.)		<u> </u>	
	N	ozzle Thi	ckness		orcement		ttached	The second second	ocation		
	1			<u> </u>						<u>'</u>	
		Jkt C	Conn	2	1/2"	NPT	SA-105		NA	<u> </u>	
		Jkt C		2	2"	NPT	SA-216 Gr	WCA	NA		
		1101, 510	1111, 010.7	l No.		1					
		Purpose (Inlet, Outlet, Drain, etc.)			Diameter or Size		Nozzle	Material Flange		1	
								Matas	101		
em 19.	Nozz	les, insp	ection, an	d safe	y valve o	penings:	-				
Item Number					·	Remarks					
Data Report									Mark Market M		
	NA (CRN)		R971323 S (Drawin			(Nat'l. Bo			(Year bulk)		
.,,,	(Horiz., vert., or s		D074000 6		(Tank separator, hea	exh., etc) 4907	70	(Mfg's serial No.) 1997			
Туре:	Vertica	1		Ja	cketed Vessel, l	ame and address) RS60-1300		J0	16966		
ocation of Installa	ation Occid	ental Chemica	Corporation, Bu	ffalo Aveni	e & 53rd Street,	Niagara Falls, I	VY 14302				
lanufactured for	Occidental C	nemical Corpo	oration, POBox	21102, FR	(Name and a	ddress of Purchaser)					