FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS(1) 12"-200 Sq. F as required by the provisions of the ASME Code rules, Section VIII, Division 1 FTSSX Heat Exchange FTSSX Heat Exchanger

1	Magui	actured as	d contified	Perry	Product	s Corpo	ration.	25 Mt. I	Laurel Road	. Haines	port, NJ 0803
							(name	and address of r	nanufacturer)		
2.	Manuf	actured for	BOLIX	COLPOLAL	TOILS II.	71 NOTE	(name and a	ddress of purchas	ser)	actanoog	a, TN 37415
3.	Locati	on of insta	llation Sc	fix Corp	oration	ı , 2800	Riverpo		Chattanoog	a, TN 3	7406
Α.	Tyne	Horizon	ital	B-4616				D-91134-1			1991
٦.	1,00	(horiz, or ve	rt., tank)	(mfr's, serial	no.)	(CRN)		(drawing no.)	(Nat'l.	Bd. no.)	(year built)
											ER AND PRESSURE
. '	V ESSE	L CODE. I	ne design,	construction	and workm	nansnip cor	ntorm to ASI	ME Code, Sec	tion VIII, Divisior	1 1: <u>+</u>	(year)
-		1989									
		(addenda (D	1.00	·	le Case no.)				special service per UG		
					Të Walt Ve s	3 <i>8</i> 13.73 <i>6</i> 00	र ाउ ज 7क्टारह ।	व्य प्रवृद्धकार, ठ	r shells of heat	exchangers.	
6. 5	Shell:_	SA312-	T304 S/	<u>s</u>	156"		11011	0,	-12-3/4" 0	.D. 71-	11-3/4" Lg.
		(mat'l. (spec	c. no., grade))	(nom. t	hickness (in.)		(corr. allow. (i	n.))	(dia. ID (ft. & in.))	(len	gth (overall) (ft. & in.))
7. 5	Seams	: Weld		(RT (spot or full	85 " '#'' '			- Asiash (all	(OT/		<u> </u>
			311gi.//	(A) (apot of idi	<i>n</i> (en. (*	/a)) (mitems)i., sngi.)) (AT(spo	t, partial, or full)) -	(no. of courses)
, О. Г	leads:	(a)		(mat'l. (spec.	no grade))		- (1	0)	(mat'l. (sp	ec. no., gradel)	
		cation (top, tom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(8	a)										
(1	b)									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				op. 300 (*F)			np.: 20	_at <u>85</u> (psi)	Hydro., நாலச ு	orcomb , test	pressure 145 (psi)
			240-T304				3/4	II male	11011		Welded
12. T	ubesh	eets:	nary mat'l. (spe	c. no., gr)) (dia	. (in) (subject	to pressure))		kness (in.))	(corr. allow. (ii	n.)) (atta	achment (welded, boilted))
ody	Flar	nges: S	SA105	1	2-3/4"	I.D.	15	O# Std.	11011	Ret	ained by Line
13. Te	ubes: .	CA 24.1	ing mat'l (spec 9-T304	The state of the s	(dia. (ii 5/8 ¹¹	1))	(nom. thic	kness (in.))	(corr. allow. (in	n.))	(attachment)
			pec. no., gr.))		(OD (in.))	(non	n. thickness (in.	or gauge))	(no.)	(type (straight or U))
				•		-s-ol-jecket		• •	of heat exchange		1 @ 4" Lg.
14. Si	hell: _	SAJIZ-1	E304 S/S		156 ¹¹		11 () 11		1-12-3/4" C		1 @ 8" Lg.
15. Se	eams:	Welde	ed		8		(corr. allow (i	DBI!	(dia. 10 (ft. & in.)) —	(len	gth (overall) (ft. & in.))
			5A105 C/	(AT (spot or fu	ill)) (eff ((%)) (HT tem	p. (*F)) (time	e) (girth (db	ol., sngl.)) (RT (spo	t, partial, or full)	(no. of courses)
16. H	eads:	(a)	JAIOJ CA	(mat'l. (spec. r	no., grade))	-	(b)	(mat'l (spe	ec. no., grade))	The state of the state of
		ation (top. om, 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)) R.	End	1-1/4"	"0"						12-3/4"	Flat
(b) L.	End						~-			4000
lf	remov	able, bolts	used (desc	ribe other fas	tenings):	(12) 7/	/8"Dia.x	5-1/2"Lg.			
		25 /10tz		300			20	05/22	spec. no., gr., size, no	D.L.	As The Court was the
17. M	AWP:	(psi)	at max. tem	p. 300 (*F)	Min desigr	n metal tem	p.: <u> </u>	_at 35/FV	Hydro., ⊅παυ≓σ	न्यवनाठ . test _l	pressure60

Purpose (inlet, outlet, drain, etc.)	Number	Dia at Siza		14-14	Nom.	Reinforcement	How	
Inlet		Dia. or Size	Type	'Mat'l.	Thickness	Material	Attached	Location
THEF	1	4"	CL-150	T304	Sch #10	Inherent	Welded	Bonnet
			 	TOUR				
Outlet	1	2"	CL-150	SA312	Sch #10	Inherent	Welded	Bonnet
				T304L				
- 1 1		/ - !						
Inlet and Outlet	2	1-1/2"	CL-150		Sch #10	Inherent	Welded	Shell
Officer				T304				
19. Supports: Skirt	' Partial Data	Reports prope	rly identifie	d and sign	ed by Commiss	ioned Inspectors	have been furi	
Unit not des	igned for	lethal se	ervice.	Unit d	lesigned for	or non-corre	sive serv	ice. Un
hydro-tested i	n horizon	tal positi	Lon. Ex	empt fr	om impact	testing per	Code par	agraphs
UG-20 (h), UCS	-66 and U	HA-51. Sa	ifetv va	lve cor	nection lo	cated elsev	here in s	ystem.
One bonnet con	sisting o	f 12"x4" s	Sch#10 c	oncentr	ic reducer	type 304L	SA403.	
			ICATE OF				·	
'U" Certificate of Authorization of the ASME Oate 9 - 20 - 91 Nar Vessel constructed by Polyting a	erry Produ	CERTIF cts Corpo	FICATE OF ration	SHOP INS	PECTION	atHa	inesport,	NJ
the undersigned, holding a nce of New Jersey	and employed	by Lumber	mens Mu	tual Ca	sualty Co.	of Long Gr	ove, IL	state or prov
Report on SEP 2 0 19 ressure vessel in accordance	9119	and state that	. to the bes	ve inspecte st of my kr	id the pressure lowledge and b	vessel described elief, the manufa	in this Manufa cturer has con	structed this
y signing this certificate nei					ranty overese	ed or implied som		
escribed in the Manufacture	rs' Data Renoi	rt Eurthormore	a naither th					essure vesse or for any ner
onal injury or property dama	age of a loss	any kind ari	sing from o	r connecte	ed with this in	4Bio7050	.NJ 476	3
		athorizedinspe			·····	(Nat'l. Bd. (incl. endo	rsements) state, pr	ov. and no.)
lo gorific ibas iba tiala a car					Y COMPLIANC			
le certify that the field asse	RE VESSEL C	ODE.				equirements of Se	ection VIII, Divi	sion 1 of the
U" Certificate of Authorizati								
ateName	(a	ssembler that certi	fied and consti	ructed field as	sembly)	Signed	(representati	ve)
					Y INSPECTION			
the undersigned, holding a v	alid commissi	on issued by t	he National	Board of E	Boiler and Pres	sure Vessel Inspe	ctors and the	state or prov
eport with the described pre-	ssure vessel ai	of_ nd state that p	arts referred	to as data	have compared	the statements	in this Manufa	cluded in the
rtificate of shop inspection ructed and assembled this point of subjected to a hydrostation religious perificate perifica	oressure vesse c test of	el in accordanc psi.	e with ASN	ME Code, S	ection VIII, Div	ision 1. The desc	ribed vessel wa	as inspected
y signing this certificate neit escribed in the Manufacturer	s' Data Repor	t. Furthermore	, neither the	e inspector	nor his emplo	u or implied, cond ver shall be liable	cerning the pre	ssure vessel

Commissions

(Nat'l. Bd. (incl. endorsements) state, prov. and no.)

sonal injury or property damage or a loss of any kind arising from or connected with this inspection.

(Authorized Inspector)

___Signed_

1. Manu			Perry	Product	s Corpo	ration,	25 Mt. L	ourel Pood	Hadaos	NT 000	
	factured an	d certified t	Jy						, marmes	port, MJ 000.	
2 Manu	factured for	Sofix	Corporat	ion, 10)l North		and address of ma mmercial (enufacturer) Center, Ch	attanoog	a, TN 37415	
Z. Manu	iaciureu ioi				N. S.		dress of purchase		ar camoo 6	<u> </u>	
3. Locat	ion of insta	lation So	fix Corp	oration	, 2800 I	Riverpor		Chattanoog	a, TN 3	7406	
4. Type:	Horizon	tal	B-4616	10.0			91134-1	4252		1991	
	(horiz, or ve	t., tank)	(mfr's, serial	no.)	(CRN)		(drawing no.)	(Nat'l. E	3d. no.)	(year built)	
								ifications of the ion VIII, Division		ER AND PRESSURE 989	
				WOTKIN	idirainp com	ionn to Aon	ic oode, secti	ion vin, Division	1 1.	(year)	
	1989										
	(addenda (D	ate))	(Cod	e Case no.)	1.4 °		(sp	ecial service per UG-	-120(d))		
tems 6-11	inclusive t	o be compl	eted for strig	le walt ves	: :3 <i>e</i> 13,7jacket	S of Tackers	ਰ ਵਤਤਵਾਤ, ਹਾ	shells of heat e	exchangers.		
									7 (18,5,14)	gilan in Markemendel (1944) 	
6. Shell:	SA312-	1304 8/	<u>s</u>	L56"		11011				L1-3/4" Lg.	
7. Seams	7.77.1	. no., grade)) ed	(nom. t	hickness (in.)) 85		(corr. allow. (ir	u)) <u> </u>	(dia. ID (ft. & in.))	(lenc	oth (overall) (ft. & in.)) 1	
	(long. (dbl.	. sngl.))	(RT (spot or full)) (eff. (%	%)) (HT temp.	(°F)) (time)	(girth (dbl.	, sngl.)) (AT(spot	, partial, or full))	(no. of courses)	
8. Heads	: (a)					(b)				
_	\$78.5 N	andria de la companya	(mat'l. (spec.	no., grade))	akini digabbara			(mat'l. (spec. no., grade))			
	cation (top, ttom, 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)			-,- ,=:			A1 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ACM SHEET		
9. Type o	f jacket:	•••		Proof	test:	nensions:	(mat'l., s	spec. no., gr., size, no		describe or sketch	
If remo	f jacket: closure:	used (desc	cribe other fas	stenings): Proof	test:bar, give dim				If bolted,	panada ing palabahan. Tangkarahan	
9. Type o 0. Jacket 1. MAWP	f jacket: closure: . 85 (psi)	used (desc	gee & weld. bar. e	stenings): Proof If t	test: bar, give dim n metal temp			. Hydro., pneu. e	If bolted,	panada ing palabahan. Tangkarahan	
If remo 9. Type o 0. Jacket 1. MAWP	f jacket:closure: . 85 (psi)	describe as og at max, tem	gee & weld. bar. e p. 300 (*F) for tube sec	Proof If t Min design	test:bar, give dim	20 (°F)	at 85 (psi)		If bolted,	panada ing palabahan. Tangkarahan	
If remo 9. Type o 0. Jacket 1. MAWP	f jacket:closure: : 85 (psi) and 13 to be	describe as og at max. tem	pee & weld. bar. e p. 300 (*F) for tube sec	Proof If to Min design tions. 2-3/4"	test:bar, give dim n metal temp	5: 20 (°5) 3/4	at 85 (psi)	. Hydro., pneus e	If bolted, r-comb. test (pressure 145 (psi)	
If remo 9. Type o 0. Jacket 1. MAWP Pems 12 au 2. Tubesh	f jacket:closure: : 85 (psi) and 13 to be neets: SA2 (station	describe as og at max. tem completed 240-T304	gee & weld. bar. e p. 300 (*F) for tube sec	Proof If t Min design tions. 2-3/4 ¹¹ (in.) (subject	test: bar, give dim n metal temp O.D. to pressure))	5.: 20 (°F) 3/4	at85	. Hydro., рлен ә	If bolted,	pressure 145 (psi) Welded chment (welded, boited)	
If remo 9. Type o 0. Jacket 1. MAWP Pems 12 au 2. Tubesh	f jacket:closure: 9. 85 (psi) and 13 to be neets: SA2 (station	idescribe as og at max, tem completed 240-T304 ary mat 1, (specification), and mat 1,	p. 300 (*F) for tube sec c. no gr.) (dia 1	Proof Itc.) Min design tions. 2-3/4" (In.) (subject 2-3/4" (dia. (in.)	test: bar, give dim n metal temp O.D. to pressure)) I.D.	5.: 20 (°F) 3/4	at 85 (psi) " Thk. kness (in.)) Off Std.	. Hydro., pneus e	If boited,	pressure 145 (psi) Welded chment (welded, boited)	
If remo 9. Type o 0. Jacket 1. MAWP Pems 12 at 2. Tubesh dy Flat	f jacket:closure: : 85 (psi) and 13 to be neets: SA2 (station mges: S(floan) SA249	describe as og at max, tem completed 240-T304 ary mat 1 (spec 3-T304)	p. 300 (*F) for tube sec c. no gr.) (dia 1	Proof Min design tions. 2-3/4 ¹¹ (in.) (subject 2-3/4 ¹¹	test: bar, give dim n metal temp O.D. to pressure)) I.D.	3/4' (nom. thick	at 85 (psi) Thk. kness (in.)) # Std.	(corr. allow. (ir	If boited,	oressure 145 (psi) Welded chment (welded, boited)) ained by Lin	
If remo 9. Type o 0. Jacket 1. MAWP Pems 12 au 2. Tubesh	f jacket:closure: : 85 (psi) and 13 to be neets: SA2 (station mges: S(floan) SA249	idescribe as og at max, tem completed 240-T304 ary mat 1, (specification), and mat 1,	gee & weld. bar. e p. 300 (*F) for tube sec tc. no gr.) (dia1	Proof Itc.) Min design tions. 2-3/4" (In.) (subject 2-3/4" (dia. (in.)	test: bar, give dim n metal tem; O.D. to pressure) I.D.	3/4 (nom. thick	at 85 (psi) Thk. (ness (in.)) O# Std. (ness (in.))	. Hydro., priou. o 11011 (corr. allow. (ir 11011	If bolted,	oressure 145 (psi) Welded chment (welded, bolted) ained by Lin (attachment)	
If remo 9. Type o 0. Jacket 1. MAWP rems 12 ar 2. Tubesh dy Fla: 3. Tubes:	f jacket:closure: : 85	describe as og at max, tem completed 240-T304 ary mat'l (spec) 3A105 ang mat'l (spec) 0-T304 arec. no gr.)) o be completed	p. 300 (*F) for tube sec (c. no gr.)) letted for insee	Proof If t Min design tions. 2-3/4 ¹¹ (In) (subject 2-3/4 ¹¹ (dia. (in) 5/8 ¹¹ (OD (in.))	test:	3/4 (nom. thick 18 Ga	at 85 (psi) Thk. kness (in.)) O# Std. (ness (in.)) a. or gauge)) # channels of	Hydro., process (corr. allow. (ir 1101) (corr. allow. (ir 153 (no.)	If boited,	oressure 145 (psi) Welded chment (welded, boited)) ained by Lin (attachment) straight	
If remo 9. Type o 0. Jacket 1. MAWP rems 12 ar 2. Tubesh dy Fla: 3. Tubes:	f jacket:	describe as og at max, tem completed 240-T304 pary mat 1 (spec 3-T304 pec, no., gr.)) o be completed 2304 S/S	p. 300 for tube sec c. no gr.) letted for interests	Proof Itc.) Min design tions. 2-3/4" (In.) (subject 2-3/4" (In.) (GD (In.)) The character 156"	test:	3/4 (nom. thick 18 Ga	at 85 (psi) Thk. kness (in.)) O# Std. (ness (in.)) a. or gauge)) # channels of	(corr. allow. (in 153 (no.)	If boited,	Welded Chment (welded, bolted)) ained by Lin (attachment) straight ype (straight or U))	
9. Type o 0. Jacket 1. MAWP 1. MAWP 2. Tubest 3. Tubes: 6. Tubes: 6. Shell:	f jacket:closure: closure: : 85 (psi) nd 13 to be neets: SA2 (station SA249 (mat'l. (sp	idescribe as og at max, tem completed 240-T304 ary mat 1 (spec 3-T304 pec. no., gr.)) o be completed complete	p. 300 for tube sec c. no gr.) letted for interests	Proof If the proof Min design tions. 2-3/411 (In) (subject 2-3/411 (Id) (dia. (in) 5/811 (ID) (ID) (ID)	test:	3/4 (nom. thick 150 (nom. thick	at85(psi) Thk. (ness (in.)) \$\mathcal{H}\$ Std. (ness (in.)) a. or gauge)) \$\neq\$ channels of	Hydro., process (corr. allow. (ir 1101) (corr. allow. (ir 153 (no.)	If boited,	Welded chment (welded, botted)) ained by Lin (attachment) straight ype (straight or U))	
If remo 9. Type o 0. Jacket 1. MAWP ems 12 at 2. Tubest dy Fla: 3. Tubes: ems 14-17 4. Shell:	f jacket:closure:	idescribe as og at max, tem completed 240-T304 ary mat'l (spec 3A105) arg mat'l (spec 3-T304) are. no. gr.)) o be completed ary mat'l (spec 3-T304) arg mat'l (spec 3-T304) ar	p. 300 (*F) for tube sec c. no gr.) deted for install	Proof If the line in the line	test:	3/4 (nom. thick 15(nom. thick 18 Ga thickness (in.	at 85 (psi) Thk. kness (in.)) Std. kness (in.)) a. or gauge)) channels of O' DBN:	(corr. allow. (in 153 (no.)) theat exchange	If boited, (atta Ret	Welded chment (welded, boiled)) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4" Lg. 1 @ 8" Lg.	
If remo 9. Type o 0. Jacket 1. MAWP rems 12 ar 2. Tubesh dy Fla: 3. Tubes:	f jacket:closure: closure: 85 (psi) and 13 to be neets: SA2 (station mges: S (floati SA245 (mat'l. (spe Velde (long (dt	idescribe as og at max, tem completed 240-T304 ary mat 1. (spec 3A105 arg mat 1. (spec 3-T304 arg.)) o be completed 240-T304 arg.)	p. 300 (*F) for tube sec c. no gr.) deted for install	Proof If the proof Min design tions. 2-3/4 ¹¹ (In) (subject 2-3/4 ¹¹ (Idia. (In) 5/8 ¹¹ (IOD (In.)) 156 ¹¹ hickness (In)) 85 (eff (test:	3/4 (nom. thick 15((nom. thick 18 Ga (thickness (in.	at85	(corr. allow. (ir 153 (no.) heat exchange (dia. ID (ft. & in.))	(length, partial, or full)	Welded chment (welded, bolted)) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4" Lg. 1 @ 8" Lg. gth (overall) (ft. & in.))	
If removed. 9. Type of the control	f jacket:closure:	describe as og at max. tem completed 240-T304 pary mat 1 (spec 3A105 ng mat 1 (spec 3-T304 pec. no gr.)) o be completed c. no. gr.)) ed bl., sngl.)) ed Minimum	pee & weld, bar, e p. 300 (*F) for tube sec c. no., gr.)) deted for insee (nom ti	Proof Proof If t Min design tions. 2-3/4 ¹¹ (In) (subject 2-3/4 ¹¹ (In) (GD (In)) 156 ¹¹ (OD (In)) 156 ¹¹ (eff (test:	3/4 (nom. thick 15((nom. thick 18 G; thickness (in.) (corr. allow (in. (corr. allow (in. (thickness)) (corr. allow (in. (b) Elliptical	at	Hydro., prieure (corr. allow. (ir 11011 (corr. allow. (ir 153 (no.) heat exchange -12-3/411 O (dia. ID (ft. & in.)) (mat'l. (spe	(lengton, partial, or full)) If bolted, (atta Ret (atta Ret)) (rs. (lengton, partial, or full))	Welded chment (welded, boiled) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4 th Lg. 1 @ 8 th Lg. gth (overail) (ft. & in.)) 1 (no. of courses)	
If remo	f jacket:	describe as og at max, tem completed 240-T304 ary mat 1 (spec SA105 ag mat 1 (spec s)-T304 are. no. gr.)) o be completed at a spec short state of the complete state of the comp	p. 300 for tube sec c. no gr.) letted for imme (nom ti	Proof If the line in the line	test: bar, give dim n metal temp O.D. to pressure) I.D. (nom.	3/4 (nom. thick 15(nom. thick 18 Gi thickness (in. ''f)' (corr. allow (in. ('F)) (time (b)	at 85 (psi) Thk. kness (in.)) # Std. kness (in.)) a. or gauge) # channels of DBN: (girth (dbi)	Hydro., prious of the following of the f	(lengton, partial, or full) Flat Diameter	Welded chment (welded, boiled)) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4** Lg. 1 @ 8** Lg. gth (overall) (ft. & in.)) 1 (no. of courses) Side to Pressure (convex or concave)	
9. Type o 0. Jacket 1. MAWP 1. MAWP 2. Tubest 3. Tubest 4. Shell: 5. Seams: 6. Heads: 6. Loc 6. bott 6. (a) R.	f jacket:closure:	describe as og at max. tem completed 240-T304 pary mat 1 (spec 3A105 ng mat 1 (spec 3-T304 pec. no gr.)) o be completed c. no. gr.)) ed bl., sngl.)) ed Minimum	p. 300 (*F) for tube sec c. no gr.)) letted for income (nom till (RT (spot or full S) (mat'l. (spec. r Allowance	proof proof fic.) Min design tions. 2-3/4 ¹¹ (In.) (subject 2-3/4 ¹¹ (In.) (subject) 5/8 ¹¹ (In.) (Subject) 6/10 156 ¹¹ (In.) (Gla. (In.)) 85 (In.) (Gla. (In.) 85 (In.) (Grown Radius)	test:	3/4 (nom. thick 15((nom. thick 18 G; thickness (in.) (corr. allow (in. (corr. allow (in. (thickness)) (corr. allow (in. (b) Elliptical	at	Hydro., prious of the following of the f	(lengton, partial, or full)) If bolted, (atta Ret (atta Ret)) (rs. (lengton, partial, or full))	Welded chment (welded, boilted)) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4 ^{tt} Lg. 1 @ 8 ^{tt} Lg. gth (overall) (ft. & in.)) 1 (no. of courses)	
9. Type o 0. Jacket 1. MAWP 1. MAWP 2. Tubesh 3. Tubesh 4. Shell: 5. Seams: 6. Heads: 6. Loc	f jacket:closure:_closure:	describe as og at max, tem completed 240-T304 (ary mat 1 (spec 3A105) (arg mat	gee & weld. bar. e p. 300 (*F) for tube sec (c. no gr.)) deted for instal (nom ti) (RT (spot or fu) (mat'l. (spec. r Corrosion Allowance	stenings): Proof If the state of the state	test:	3/4 (nom. thick 15(nom. thick 18 Gi thickness (in. 'thotal (corr. allow (in. (b) Elliptical Ratio	at 85 (psi) Thk. kness (in.)) A. or gauge)) cor gauge) from channels of 0 DBM (girth (dbl.) Conical Apex Angle	Hydro., prious of the following of the f	If boited, (atta Ret (b) (rs. (leng cono., grade)) Flat Diameter 12-3/4"	Welded chment (welded, boilted)) ained by Lin (attachment) straight ype (straight or U)) 1 @ 4 ¹¹ Lg. 1 @ 8 ¹⁰ Lg. gith (overall) (ft. & in.)) 1 (no. of courses) Side to Pressure (convex or concave) Flat	

FORM U-1 (back) 18. Nozzles, inspection and safety valve openings: th to Purpose (inlet, outlet, drain, etc.) Nom. Thickness Reinforcement Material How Attached Number Dia. or Size Type ·Mat'l. Location Inlet 411 1 CL-150 SA312 Sch #10 Welded Inherent Bonnet T304 Outlet 2" 1 CL-150 SA312 Sch #10 Inherent Welded Bonnet T304L 2 Inlet and 1-1/2" CL-150 SA312 Sch #10 Inherent Welded Shell Outlet T304

L									
					****				L
19	. Supports: Skirt (yes or	Lugs(r	2Legs	(no.)	Other	describe)	Attached_Weld	ed to main (where and how	shell
	. Remarks: Manufacturers								
	following items of the re	eport:		ny identine	d and signe	d by Commiss	noned inspectors	nave been furn	isned for the
				(name	of part, item nur	nber, mír's, name	and identifying stamp)	
	Unit not des	igned for	lethal se	ervice.	Unit de	esigned fo	or non-corr	osive servi	ce. Uni
	hydro-tested i	n horizoni	tal positi	on. Ex	empt fro	om impact	testing per	r Code para	graphs
	UG-20 (b), UCS	-66 and U	HA-51. Sa	fety va	lve com	ection lo	cated else	where in sy	rstem.
,	One bonnet con	sisting of	E 12''x4'' S	Sch#10 c	oncentr	ic reducer	type 304L	SA403.	
			CERTIF	ICATE OF	SHOP COM	PLIANCE			
We	certify that the statemer	its made in this	report are co	rect and th	at all details	of design, ma	aterial, construct	ion and workma	nship of this
,.n,	" Certificate of Authoriza	tion no. 43	328 expir	es_Dec.		91	•		
Dat	re 9 - 20 - 91 Na	mePerry_	Products	Corpora	tion		Signed	J.W. JKg	2L
<u> </u>				(manulactu	ren		-	(representativ	e)
i		erry Produ	icts Corpo	ration			atHá		
I, th	ne undersigned, holding a e of New Jersey	valid commiss	ion issued by Lumber	The Nation mens Mu	al Board of E tual Cas	Noiler and Pres	ssure Vessel Insp of Long Gr	ectors and the s	tate or prov-
			of.	ba	:				
Rep	port on SEP 2 0 19	91 19	and state that	to the be	st of my kno	wiedge and h	vesser described	in this Manurac	turers Data
pres	ssure vessel in accordance	ce with ASME	Code. Section	VIII Divisi	on 1	wiedge and b	ener, the manura	acturer has cons	tructed this
Вуз	signing this certificate ne	ither the inspe	ctor nor his em	niover mai	ces anv warr	anty avnraces	ad or implied cor	anning the area	
mae.	CTIDAD ID IBO MAGGIIFAGIII.c.	sea' Dain Dann							3
son	al injury or property dam e <u>SFD 9 0 100</u> Signed	age of a loss	t∕anv kind aris	sing from o	r connected	i with this in			ior any per-
Date	e <u>SED 9 0 199</u> \$igned	CAMANA	lays		Co	mmissions	ARIOLO DO	.NJ4(6)	;
		017/0	Minorized inspe	ctori			(Nat'l. Bd. (incl. end	orsements) state, prov	r. and no.)
			CERTIFICATE	OF FIELD	ASSEMBLY	COMPLIANCE	E		
We	certify that the field asse	mbly construc	tion of all part	s of this ve	essel confor	ms with the re	- equirements of S	ection VIII. Divis	ion 1 of the
ASM	ME BOILER AND PRESSU	IRE VESSEL C	ODE.				, , , , , , , , , , , , , , , , , , , ,		
"U"	Certificate of Authorizat	ion no	expire	s	, 19_				
	Name						Signed		
		(a:	ssembler that certi	lied and const	ructed field assi	embly)		(representative	2)
			CERTIFICATE	OF FIELD	ASSEMBLY	INSPECTION			
I, the	e undersigned, holding a	valid commissi	on issued by t	he Nationa	Board of Bo	oiler and Press	sure Vessel Inspe	ectors and the st	ate or prov-
ince	ot	and employed	by						.
			of_		t	ave compared	the statements	in this Manufac	turers' Data
Repo	ort with the described pre	ssure vessel ar	nd state that pa	arts referre	d to as data i	tems		not incl	luded in the
certi	ficate of shop inspection	n, have been in	ispected by m	e and that	to the best	of my knowle	edge and belief.	the manufactur	er has con-
struc	sted and assembled this	pressure vesse	I in accordanc	e with ASN	ΛΕ Code, Se	ction VIII, Div	ision 1. The desc	ribed vessel wa	s inspected
ang	subjected to a hydrostati	ic test of	psi.						į
By s	igning this certificate nei	ther the inspec	tor nor his em	oloyer mak	es any warra	inty, expresse	d or implied, con	cerning the pres	sure vessel
aesc	ribed in the Manufacture	rs' Data Report	. Furthermore,	neither th	e inspector i	nor his employ	yer shall be liable	in any manner	for any per-
sona	il injury or property dama	ige or a loss of	f any kind aris	ing from o	r connected	with this insp	ection.	,	,
Date	Signed	1	(Authorized Inspe			nmissions			
			(Authorized Inspe	ctor)			(Nat'l, 8d, (incl. endo	(sements) state, grov	and no.)