## FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As required by the Provisions of the ASME Code Rules

personations — more AFE (in 20 July 10 Th 10 Th 10 Th 10 th and in contact of class of collections, reconstructed, a shall all approximately contact and a contact of class of collections and contact and collections are collected as a collection are collected a	The second second		indules (note: , committee and note: the management of the committee and the committee of the committee and the committe	s of the ASME Co	near terrockets grade the		
1. Manufactured by			(Name and	address of Manugacture	£ }		
2. Manufactured for <u>V</u>			5 Highway	l North, Grod address of Purchaser	eenville,	Mississi	38703
3. Type Vert K	Jack ind <u>Tank, Jack</u>	eted Pank Vesse eled, Heat Exch.)	No. ( <u>5448</u>	) () Natl. (State & State No.	Bd. No. 544	48 Yr. Bui	ı. <u>1971</u>
Items 4-9 incl. to be com	pleted for sir	ngle wall vessel	s (such as air tan	ks), jackets of jacket	ed vessels, or	shells of heat ex-	changers.
4. SHELL: Material (Kind) 5. SEAMS: Long DOL (Welded, D				nal 1.156Corross kness In. Allowa Dletectioned A	Q Efficiency		if riveted describe seams fully on reverse side of
Girth Do	uble Bu	itti.T. no	X.R. COM	pletectioned n	O No. of Cou	ses 1	form,
6. HEADS (a) Material Location (Top, bottom, ends)  (a) TOP  (b) Bottom	Thickness 1.144 1.144	Crown Radius	Knuckle Ell Radius R	o) Material Conical Apex Angle	Hemispherical Radius	T.S. Flat Sic	de to Pressure vex or Concate) CONCAVE
If removable, bolts u	sed (Material	L. Spec. No., T.S., S	Size. Number)	Other fastening	Describe or Attac	h Sketch)	
7. STAYBOLTS: (Ma							(Nominal)
8. JACKET CLOSURE:	(1	Describe as ogee	k weld, bar etc. If	har, give dimensions, if	holted, describe	or sketch)	g wages conference to the supplementation of
9. Constructed for max. allowable working pr	ess_25	O psi at max	. temp. <u>100</u> ° F.	Min. temp. (when less than -20°)	320 F. Con	rostatic or Test ibination Press	417 psi.
Items 10 and 11 to be co	mplett for t	ube sections.					
	•	(Kind 8	Spec. No.)	Diam. Ir (Subject to Press)	i. Inickness ire)	In. Attachmen	(Welded, Bolted)
Flo	ating. Mater	ial (Kind &	Spec. No.)	Diam Ir	. Thickness	In. Attachmen	t
11. TUBES: Material	James of Contract	BIRTH RESEARCH	a rapylá <b>g</b> u	Inches	yxuud		
11. TUBES: Material (Kin Items 12-15 incl. to be o	d & Spec. No.)	•••	m: Interness	or Gage N	nmbct	Type (Si	raight of U)
nems 12-13 incl. to be	completed for	inner chambers	Nominal	Corresion	at exchangers.	erfilletilahur (är mänlunkelik kill elleri till en ette läligidik en elle	On the specimens of the contract of the cont
12. SHELL Material (K	ind and Spec. N	T.S. (Fig. or F.	Thickne B. & Spec. Min. T.S.	ss In. Allowance	In. Diam	_FrIn. Lengt	h Ft In.
13. SEAMS: Long (Welded							If riveted de- scribe seams fully on re- verseside of
		U.T.	X.R	Sectioned			form.
14. HEADS (a) Material		T.S. K	(b) Material nuckle Ellipt		(c) Materia	1T.S.	
(_) Top, bottom, ends_		Radius F	Radius Rat	io Apex Angle	Radius	Diameter (Con	de to Pressure ivex or Concaves
				economics - posses			
If removable, bult	s used (a)	(Material, Spec, No	., T.S , Size, Numbe	r) (b)	mer demonstrate de la la companya de		
	(c)			Other	fastening		
					llydr	Describe or Attach	Sketch)
15. Constructed for max	in ressant	nsi at max, tet	nn. <sup>9</sup> F. 1	Min. (emp. (when ess than -20°)	Pneu SE. Comb	matic or Test	051
Items below to be comp				CONTRACTOR CONTRACTOR CONTRACTOR About the About to the A	a de combinado de los como que e decençar em lagrans de como e y como como que properen	render to all the control of the property of the annual temperatures and the second state of the second st	
16, SAFETY VALVE OF	TLETS: Non	nber one		Size 1"	Loca	rion Vent	Line
17. NOZZLES  Purpose (Inlet, Outlet, Drain)	Number	Diam, or Size	Туре	Material	Thickness	Reinforcement Material	How Attached
Instrument	3	.750	Bar	SB-221	.180	100 mg 100 mg 2	Welded
Vent	1	1.900	Pipe	SB-241	.145		Welded
Top Fill	1	1.900	Pipe	SB-241	.145		Welded
Botteia Fill	<u> </u>	1.900	Pipe	SB-241		gyak alikasa sakinganina singgalagan pelana sakin daga bira	Welded
Pump Suction Hydro	1 1	$\frac{1.900}{2.375}$	Pipe	SB-241		and the state of t	Welded
Hydro	1	.750	Pipe Bar	SB-241 SB-221	.154 .105	representative comment of color to place and color to the	Welded Welded
Vapor Return	1	1.900	pipe	SB-241	the court of the second	Automorphism constitute engine.     This is the constitute of	Welded

<sup>1</sup> If postweld heat-treated.

<sup>&</sup>lt;sup>2</sup> List under remarks other internal or external pressures with coincident temperature when applicable.

## FOR RELLMANDE ACTUMERS' DATA HUPORT FOR UNFIRED PRESSURE VESSELS

As required by the Provisions of the ASME Code Holling

Threaded, No. Size Location  PPORTS: Skirt    Lugs   Lugs   Legs   (Number)   Other Straps 3 Attached pin (Number)   Other Straps 3 Att	SPECTION Manholes, No.	Size	Location	Espera simulati	
Threaded, No.  Size  Logs  Logs  Logs  Cymber)  Other Straps 3 Attached pin  (Yes or No)  Lugs  Lugs  Lugs  Lugs  Lugs  Lugs  Cymber)  Other Straps 3 Attached pin  (Yes or No)  Attached pin  MARKS. Date for TD-3400 gal gross vacuum jacketed Cyrogenic storage ves  egrated distributor station 250 Psig aluminum non-corrossive service- ner vessel only, outer vessel not code.  Plus full external vacuum & hydro head.  (Brief description of purpose of the vessel, as Air Tank, Affèr Cooler, Jacketed Cooker, etc. State coments of each part.)  (e certify that the statements made in this report are correct and that all details of design, material construction, and sorterial sessel conform to the ASME Code for Unfired Pressure Vessels.  19 SignedRyan Industries, Inc.  By CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc. at 4800 Allmond Ave. Louisville,  Let undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of the State of Kentucky and employed with the applicable sections of the ASME Boiler and Pressure Vessel Co.de.  By signing this certificate neither the Inspector nor his employer shall be listle in any manner for use personal injury or pr. perty damage or a loss of any kind prising from or counsected with this inspection.  Date 19 7/16 7/16 7/16 7/16 7/16 7/16 7/16 7/16	PENINGS: Handholes, No. C	Size 832	Location	and the state of t	3791
CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc.  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky  Additional of the State of the stat	Threaded, No.	Size	Location		
CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc.  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky  Additional of the State of the stat	PPORTS: Skirt (Yes or No)	Lugs (Number)	Legs (Number)	Other Straps 3	Attached pin
Plus full external vacuum & hydro head.  Plus full external vacuum & hydro head.  Cecrify that the statements made in this report are correct and that all details of design, material construction, and vorkdants seemed to the ASME Code for Unfired Pressure Vessels.  SignedRyan Industries, Inc.  Certificate of Authorization Expires October 13, 1972 Quality Control December 31, 19  CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc.  L the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of have inspected the pressure vessel described in this manufacturer's data report on the state of	그 강으로 다른 이 보는 병에 놓는 그는 없는 그들은 그들이 없다고 있다.	. 新文·特别人,是一次的一个一个一种, The a bid in a bid is	<u>₩₩₩₩₩₩</u>	And the second of the second o	化二氯化二甲基乙基酚 电电流电路 医多种性病
Plus full external vacuum & hydro head.  Cectify that the statements made in this report are correct and that all details of design, material construction, and work have seed on form to the ASME Code for Unfired Pressure Vessels.  SignedRyan Industries, Inc.  Wessel and a sulid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins.  Central Florage of the undersigned this pressure vessel in accordance with the applicable sections of the ASME of the State of Kentucky and employed by Employers Comm. Union Ins.  By SignedRyan Industries, Inc.  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins.  Co. of of have inspected the pressure vessel described in this manufacturer's data report on the same onstructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.  By signing this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel to the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Date 1371	The state of the s				•
Plus full external vacuum & hydro head.  (Brief description of purpose of the vessel, as Air Tank, Affèr Cooler, Jacketed Cooker, etc. State contents of each part.)  (certify that the statements made in this report are correct and that all details of design, material construction, and work and its vessel conform to the ASME Code for Unfired Pressure Vessels.  (Manufacturer)  Signed Ryan Industries, Inc.  (Manufacturer)  CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc. at 4800 Allmond Ave. Louisville, I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of have inspected the pressure vessel described in this manufacturer's data report on 1971, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the papel makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or pr. perty damage or a loss of any kind arising from or connected with this inspection.  1971	egrated distributor st	ation @ 250 PSI	G_aluminum_	non-corrosely	e service.
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State coments of each part.)  (c certify that the statements made in this report are correct and that all details of design, material construction, and workstands seemed to the ASME Code for Unfired Pressure Vessels.  (Manufacturer)  Signe Ryan Industries, Inc.  (Manufacturer)  CERTIFICATE OF SHOP INSPECTION  VESSEL MADE BY Ryan Industries, Inc.  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Kentucky and employed by Employers Comm. Union Ins. Co. of of have inspected the pressure vessel described in this manufacturer's data report on 197, and state that to the best of my knowledge and belief, the munifacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or pr. perty damage or a loss of any kind grising from or connected with this inspection.  Date 1971	Mer veaser Only, Outer	vesser not code	e. Data	t videl alderet	gigger men var militars salar as salari konstalaran salar samma saman in demonistrativa di Silari di Silari da
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PA. 1676	VESSEL MADE BY Ryan Indu  I, the undersigned, holding a valid the State of Kentucky  data report on turer has constructed this pressure v	CERTIFICATE OF SHO  ISTRIES, Inc.  commission issued by the Nat  and employed by Emplo  have ins	op Inspection  at 4800 A1  ional Board of Boiler  overs Comm.  spected the pressure  that to the best of	and Pressure Vessel Ins Union Ins. Covessel described in this my knowledge and belief	pectors and/or O OF of Derica manufacturer's
Commissions N. B. 3364 Nat'l Board or State and No.	VESSEL MADE BY Ryan Indu I, the undersigned, holding a valid the State of Kentucky  data report on turer has constructed this pressure vessel described in this manin any manner for any personal injur	certificate of short ies. Inc. commission issued by the Nate and employed by Employed in a 1977, and states in accordance with the inspector nor his employenufacturer's data report. Further	at 4800 A1 ional Board of Boiler Oyers Comm. spected the pressure that to the best of applicable sections over makes any warrant ermore, neither the Inc.	and Pressure Vessel Ins Union Ins. Covessel described in this my knowledge and belief f the ASME Boiler and Property, expressed or implied, spector nor his employer g from or connected with the	pectors and/or O. Of of Of of manufacturer's , the manufac- ressure Vessel  concerning the shall be liable
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