## FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules Section VIII Division 1.

	s nequired by the Prov	isions of the ASME	Code Hules, Sect	ion VIII, Division 1	2.4M <sup>2</sup> Filter
1. Manufactured by GAS	TON COUNTY DYEING	and the same of th	The species of the Principles According to Principles and the species and the	, N.C.	
2. Manufactured for RC	DSENMUND INC CH	IARLOTTE, N.C. 28	dress of manufacturer) 3208 (3100 E	. Piper Lane)	
3. Location of Installation	ttilder tillen kollitikk stallen spyllere starr, medle til ser i skul kussigs ut skul	Co., 2011 Salara Hill Solds Company among paramota mangada antahan paramota pangangan	ddress of purchaser)		—). Мога температия местнего местнего по того законоститель и парамента потпростительного и подабления;
4. Type YERTTANK (Horiz.orvert.tank 15908 (National Board No	, jacketed, ht. exch.)		and address) (CRN	EF-0	046-N (Drawing)
			The Control of the Co		
5. The chemical and physical			3000		
	and workmanship conform to	• • • • • • • • • • • • • • • • • • • •	(Van		(Date)
	old)				Perhancement control on a local control contro
	ta Reports properly identified			in furnished for the follow	ing items of the report:
the state of the s		part, item number, mfr.'s n			
- And the companies of the contract of the con		The same and the s	**		
Items 6:11 incl. to be comple	( Name of the for single wall vessels lac	part, item number, mfr.'s n	ame and identifying sta	(HALF PIPE COI	L)
6. Shell: Material SA240-	-304 <sub>TS</sub> 75	000 Nominal Thic	kness 3/16	in. Corrosion Allowance	
Diameter	<sub>1</sub> , 2 3/8" I.	.D. in Length 751	Approx.	fr.	
7. Seams: Longitudinal	N/A		R.T. NONE	Efficien	~ 70 s
	(Welded, Double, Sing	gle, Lap, Butt)	WLD SEL		₩¥mercurenden-eder-ederenconcu-vasinepadeisepees. All
H. T. Temperature NONE	o <sub>F</sub> Time	Gir	F1	ded, Double, Single, Lap.	2a
R. T. (Spot, Partial, or F	No. of Courses	i raffinda in affinishina компоней поменти и становремент помента а исакоми и разгор.	\ <b>\ \ \ \</b>	ded, Dodbie, Single, Lap,	DUIL!
"U" Certificate of Authorizat	sels, Section VIII, Division 1. Signed GASTON COUNTY  tion No. 11254	DYEING MACHINE COM Manufacturer) Expires CERTIFICATE OF SHOI	PANY By 1 - 31 PINSPECTION	(Representat	this vessel conform to the
Vessel made by GASTON CO I, the undersigned, holding a v CAROLINA and employed Manufacturers' Data Report of structed this pressure vessel in	valid commission issued by the ted by DEPARTMENT OF 2 - 25	ne National Board of Boiler LABOR of <u>NORT</u> 19	and Pressure Vessel Ins	spectors and/or the State o	ressel described in this
By signing this certificate neit Manufacturers' Data Report loss of any kind arising from	Furthermore, neither the Inspection connected with this inspec	pector nor his empl <mark>oyer</mark> sha tion.	ill be liable in any mani	ner for any personal injury	or property damage or a
Date 2 - 25			(N	COMM PA MC.	ince and No.)
Signed J. U	(Inspector)	—interest in the second of the second	NC 722	NB 6072	
er toda en en en <b>en en e</b>		IFICATE OF COMPLIANC	E FOR FIELD WORK		Y #2
We certify that the statement ASME Code for Pressure Vess			sign, material, construc	ction, and workmanship of	this vessel conform to the
Date	19. Signed	Manufact	radii Mary (aliga da	By	presentative)
"U" Certificate of Authorizat					
	CER1	IFICATE OF FIELD ASSI	MBLY INSPECTION		4 3 1
I, the undersigned, holding a v	•				
And the state of t	ed by				
Data Report with the describe					
not included in the certificate and assembled this pressure ve	essel in accordance with ASM	E Code, Section VIII, Divis	ion 1.	wiedge and belief, the Ma	nufacturer has constructed
The described vessel was inspe					
By signing this certificate neit Manufacturers' Data Report loss of any kind arising from (	Furthermore, neither the Insc	pector nor his employer sha			
Date	19.	Cor	nmissions	ational Board, State, Provi	
Signed			IN	an exceptions amountees. Interest Professional	
	and the second s	Andrew Commence and the second	And the second		ince and No.
(Auth	norized Inspector)	and the second s			ince and No.

	(Spec. No., Grade)		(b) Mate	(Spec. No	Grade)	aser
Location (Top, Bortom, En	ds) Th	nimum ickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)			And the second of the second o		## ###@Bits Environmental Administration and Confidence Serving Administration Assessment Confidence Administration Assess	en. Albert alle gespaleget, die se mingeleeft vollekt strephenem vijs sy molitike dat en jelektel.
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f removable, bolts used						
			I, Spec. No., Grade, Si	te, No.)	ng <mark>kalan malajah sylapa dana kambakata p</mark> ina ngaya dan manambatar, ngu dipanakan dana manamba kababana bang j	
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(Materia	al)	(Size of Hole)	(Thread	ed, Welded)	(Horizontal) (Ve	ertical) Dia. (N
Constructed for max. alle Minimum temperature (v					0 <sub>F</sub>	<b>±170</b>
12 and 13 to be comple	eted for tube sections	💽 🖅 in in the state of the state of			KNEXIXIXIX test pressure	was required the control of the Cont
Tubesheets: Stationary	Material		T.S	Diameter	in, Nominal T	Thickness
Alleumen	(Spec	. No., Grade)		(Subject		
Corrosion Allowance						pec. No., Grade)
					in. Attachment	
Tubes: Material	leted for inner chamb	O.D	in. Nominal Thickness	exchangers.	r gauge Number	Type (Straight or
Shell: Material SA2	40-316	тs. <b>75.000</b>	Nominal Th		in. Corrosion Allowance	
Diameter 5	f. 10	) 1/4	in Length		ft. <u>8</u>	erne omniber estatorina spokre v toko m tradicialadore, antalid talastani bilitagasta antalisa
Seams: Longitudinal	WLD DBL BUTT		R.TN	ONE Efficienc	y <b>70</b> % H. T. Temp	) . ***********************************
	. (Welded, Double, . ₩ID. DRI.	Single, Lap, Butt)	R.T.			
Time Girt	(Welded, Double,	BUTT Single, Lap, Butt)	(500)		No. of Courses	
				, raitiai, utitulij		
Heads: (a) Material	SA240-316	т.s. <b>75.</b>	000 (b) Mate	SA240-3]	5 т.s. <b>75</b>	•000
	SA240-316 (Spec. No., Grade	т.s. <b>75.</b> Иппит	000 (b) Mate	rial SA240-311 (Spec. No	Knuckle	WILLIAM COM
Location (Top, Bottom, Er	<b>SA240-316</b> (Spec. No., Grade nds) T	T.S. 75.	000 (b) Mate Corrosion Allowance	rial SA240-31 (Spec. No Crown Radius	Radius	Ratio
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(Top, Bottom, Er a) TOP b) BOTTOM	SA240-316 (Spec. No., Grade nds) 7 5/16" 1/2" N	T'S. 75. Ainimum hickness NOM.	000 (b) Mate Corrosion Allowance	rial SA240-31 (Spec. No Crown Radius	Radius 4.26	Ratio
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(Top, Bottom, Er a) TOP b) BOTTOM  Conica Apiex A	SA240-316 (Spec. No., Grade nds) T 5/16" 1/2" N	T'.S. 75.  dinimum hickness  NOM. Hemisphe	OOO (b) Mate Corrosion Allowance O	rial SA240-31 (Spec. No Radius 71" Flat Diameter	Radius 4.26	Ratio
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(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apiex A  a) b) fremovable, bolts used	SA240-316 (Spec. No., Grade ands)  5/16"  1/2" Notes the state of the	T'S. 75. Ainimum hickness NOM. Hemisphe Radii	OOO (b) Mate Corrosion Allowance  O rical us  70 7. 3/4", 72	SA240-31 (Spec. No Radius 71" Flat Diameter	Radius 4.26  (Conve	Ratio  e to Pressure ex or Concave) TH
(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apex A  a) b) f removable, bolts used Constructed for max. all	SA240-316 (Spec. No., Gradends)  5/16" 1/2"  Ingle  (describe other faster owable working press	T.S. 75.  Minimum hickness  NOM. Hemisphe Radii  nings) SA193 B sure 50/F.V.	Corrosion Allowance  Corrosion Allowance  Corrosion 70  Tical US  70  7 • 3/4" • 72  psi at max. tem	SA240-31 (Spec. No Prown Radius 71" Flat Diameter 3/8"	Radius 4.26  (Conve	Hattio  to Pressure ex or Concave)  TH  No., Grade, Size,
(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apex A  a) b) f removable, bolts used Constructed for max. all	SA240-316 (Spec. No., Gradends)  5/16" 1/2" Nongle  (describe other faster owable working press when less than -20° F	T.S. 75.  Minimum hickness  NOM. Hemisphe Radii  mings) SA193 B sure 50/F.V.	Corrosion Allowance  Corrosion Allowance  Corrosion 70  Tical US  70  7 • 3/4" • 72  psi at max. tem	SA240-31 (Spec. No Prown Radius 71" Flat Diameter 3/8"	Radius 4.26  (Conve	Hattio  to Pressure ex or Concave)  TH  No., Grade, Size,
(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apex A  a) b) f removable, bolts used Constructed for max. all Winimum temperature (village) below to be compliated	SA240-316 (Spec. No., Grade ands)  5/16" 1/2"  Ingle  (describe other faster owable working press when less than -20° for all vessels where	T.S. 75.  Alinimum hickness NOM. Hemisphe Radii  hings) SA193 B sure 50/F.V.	Corrosion Allowance  Corrosion Allowance  Corrosion 70  Trical US  70  7 • 3/4" • 72  psi at max. tem	SA240-31 (Spec. No Prown Radius 71" Flat Diameter 3/8"	Radius 4.26  (Conve	Ratio  e to Pressure ex or Concave)  TH  E. No., Grade, Size,
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(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apex A  a) b) f removable, bolts used Constructed for max. all Minimum temperature (v below to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N	SA240-316 (Spec. No., Grade ands)  5/16"  1/2"  Ingle  (describe other faster owable working press when less than 20° for all vessels where imber  Umber  Diamor Size	T'S. 75.  Alinimum hickness  NOM.  Hemisphe Radii  nings) SA193 B sure 50/F.Y.  Size 3"  Type	OOO (b) Mate Corrosion Allowance O rical us  70 7. 3/4" 72 psi at max. tem of Hydrosta Loca Material	SA240-31 (Spec. No Radius 71)  Plat Diameter  3/8"  p. 302 atic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Conve	Ratio  e to Pressure ex or Concave)  TH  No., Grade, Size, *77  How Attached
(Top, Bottom, Er  a) TOP b) BOTTOM  Conica Apex A  a) b) f removable, bolts used Constructed for max. all binimum temperature (victory to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N	SA240-316 (Spec. No., Grade ands)  5/16" 1/2" No., Spec. No., Grade and	T'S. 75. Ainimum hickness NOM. IOM. Hemisphe Radii mings) SA193 B sure 50/F.V. applicable. Size 3" Type FLANGED	OOO (b) Mate Corrosion Allowance O rical us  70 7. 3/4". 72 psi at max. tem of Hydrosta Loca Material SA240-316	SA240-31 (Spec. No Radius 71 II  Diameter  3/8 II  p. 302 stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Converse BO)  (Material, Specific MAXXXX test pressure  Reinforcement	Ratio  e to Pressure ex or Concave)  TH  No., Grade, Size,  *77  How Attached WELDED
(Top, Bottom, Er  a) TOP  b) BOTTOM  Conica Apex A  a) b)  f removable, bolts used Constructed for max. all Minimum temperature (vibelow to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N  ITLET	SA240-316 (Spec. No., Grade ands)  5/16"  1/2"  Ingle  (describe other faster owable working press when less than -20° for all vessels where a limber  Umber Or Size  1 14"  1 1/2"	T'S. 75.  Ainimum hickness  NOM.  Hemisphe Radii  mings) SA193 B sure 50/F.V.  Size 3"  Type  FLANGED THD CPLG.	OOO (b) Mate Corrosion Allowance O rical us  70 7. 3/4". 72 psi at max. tem oF Hydrosti Loca  Material SA240-316 SA182-316	SA240-31 (Spec. No Readius) 71 II  Plat Diameter  3/8 II  P. 302 Stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Converse BO)  (Material, Specific MAXXXX test pressure  Reinforcement	Ratio  Pe to Pressure ex or Concave)  TH  No., Grade, Size,  *77  Attached WELDED WELDED
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(Top, Bottom, Er a) TOP b) BOTTOM  Conica Apex A a) b) f removable, bolts used Constructed for max. allowing the below to be completed Safety Valve Outlets: No Nozzles: Purpose Inlet, Outlet, Drain) N ITLET JILET SITATOR	SA240-316 (Spec. No., Grade ands)  5/16" 1/2"  1/2"  Ingle  (describe other faster owable working press when less than -20° for all vessels where a lamber  1	T'S. 75.  Ainimum hickness  NOM.  Hemisphe Radii  Mings) SA193 B  Sure 50/F. V.  Type  FLANGED  THD CPLG.  BOLT PAD  FLANGED	Corrosion Allowance  Corrosion Allowance  Corrosion 70  T. 3/4" 72  psi at max. tem  of Hydrosti  Loca  Material  SA240-316  SA182-316  SA240-316  SA312 TP316	SA240-31 (Spec. No Crown Radius 71)  Flat Diameter  3/8"  p. 302 atic, ************************************	Radius 4.26  (Conve	Ratio  e to Pressure ex or Concave)  TH  No., Grade, Size,  *77  Attached WELDED WELDED WELDED WELDED
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(Top, Bottom, Er  a) TOP  b) BOTTOM  Conica Apex A  a)  (b)  If removable, bolts used Constructed for max. all Minimum temperature (vs. below to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N  ITLET  UTLET  GITATOR  N,OUTLET  N,OUTLET  N,OUTLET	SA240-316 (Spec. No., Grade ands)  5/16" 1/2" No. 1/2" No	Type FLANGED THORES  Type FLANGED	70 (b) Mate Corrosion Allowance 0 70 7. 3/4". 72	SA240-31 (Spec. No. Radius) 71"  Plat Diameter  3/8"  p. 302 stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Conve BO)  (Material, Spec  (XMAXIX test pressure  )  Reinforcement Maxerial	Attoo  The to Pressure ex or Concave)  TH  Attached WELDED
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(a) TOP (b) BOTTOM  Conica Apiex A (a) (b) If removable, bolts used Constructed for max. allowing the completed Safety Valve Outlets: No Nozzles: Purpose (Inlet, Outlet, Drain) NUTLET GITATOR N,OUTLET T. PORT N,OUTLET N,OUTLET N,OUTLET N,OUTLET N,OUTLET N,OUTLET N,OUTLET N,OUTLET	SA240-316 (Spec. No., Grade ands)  5/16" 1/2" No.   Spec. No.   Spec. No.   Grade ands)  5/16" 1/2" No.   Spec.   Spec. No.   Spec.   Spec. No.   Spec. No.   Spec. No.   Spec.   Spec. No.   Spec.   Spec.   Spec. No.   Spec.   Spec	TIS. 75.  TIS. 75.  Annimum hickness  NOM.  Hemisphe Radii  Soure 50/F. V.  Soure 50/F. V.  Type  FLANGED THD CPLG. BOLT PAD FLANGED	70 (b) Mate Corrosion Allowance 0. Trical us 70 7. 3/4". 72 psi at max. tem °F Hydrosta Loca Material SA240-316 SA182-316 SA240-316 SA312 TP316	SA240-31 (Spec. No. 1) (Spec.	Radius 4.26  (Converted to the converted	Attio  Pet to Pressure ex or Concave)  TH  No., Grade, Size,  *77  Attached WELDED
(Top, Bottom, Er  a) TOP  b) BOTTOM  Conica Apiex A  a)  (b)  If removable, bolts used Constructed for max. all Minimum temperature (vs. below to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N  UTLET  UTLET  SITATOR  N,OUTLET  N,OUTLE	SA240-316 (Spec. No., Grade ands)  5/16" 1/2" No.   Spec. No.   Spec. No.   Grade ands)  5/16" 1/2" No.   Spec.   Spec. No.   Spec.   Spec. No.   Spec. No.   Spec. No.   Spec.   Spec. No.   Spec.   Spec.   Spec. No.   Spec.   Spec	T'S. 75. Ainimum hickness NOM. IOM. Hemisphe Radii  Sure 50/F.V.  Type FLANGED THD CPLG. BOLT PAD FLANGED	Corrosion Allowance  Corrosion Allowance  Corrosion Allowance  Corrosion 70  7. 3/4". 72  psi at max. tem Flydrosta  Loca  Material  SA240-316  SA182-316  SA240-316  SA240-316  SA312 TP316	SA240-31 (Spec. No Radius)  71"  Diameter  3/8"  p. 302 stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Converse Royal Reinforcement Maxerial	Attio  et to Pressure ex or Concave)  TH  No., Grade, Size,  *77  Attached WELDED
(Top, Bottom, Er a) TOP b) BOTTOM  Conica Apiex A a) b) f removable, bolts used Constructed for max. all Minimum temperature (vs. below to be completed Safety Valve Outlets: Nu Nozzles: Purpose Inlet, Outlet, Drain) N ITLET JTLET SITATOR N, OUTLET N, OUTLE	SA240-316 (Spec. No., Grade ands)  5/16" 1/2" No.   Spec. No.   Spec. No.   Grade ands)  5/16" 1/2" No.   Spec.   Spec. No.   Spec.   Spec. No.   Spec. No.   Spec. No.   Spec.   Spec. No.   Spec.   Spec.   Spec. No.   Spec.   Spec	Type  FLANGED THO CPLG. BOLT PAD FLANGED	Corrosion Allowance  Corrosion Allowance  Corrosion Allowance  Corrosion To	SA240-31 (Spec. Ni Radius 71"  Diameter  3/8"  p. 302 stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Converted to the converted	Attio  The to Pressure ex or Concave)  TH  Attached WELDED
(Top, Bottom, Er a) TOP b) BOTTOM  Conica Apex A a) b) f removable, bolts used Constructed for max. all Minimum temperature (victory below to be completed Safety Valve Outlets: Nunozzles: Purpose Inlet, Outlet, Drain) N ITLET IT	SA240-316 (Spec. No., Grade ands)  5/16"  1/2" No. Ingle  (describe other faster owable working press when less than 20°F for all vessels where a limber  1 14" 1 1/2" 1 10" 1 10" 1 10" 1 10" 1 1 1" 3 3" 2 2" 4 1 1/2" 1 1"  Inholes No.	T'S. 75. Ainimum hickness NOM. IOM. Hemisphe Radii  Size 3"  Type FLANGED THD CPLG. BOLT PAD FLANGED	Corrosion Allowance  Corrosion Allowance  Corrosion Allowance  Corrosion Allowance  Corrosion Allowance  70  7. 3/4". 72  psi at max. tem  F Hydrosti  Loca  Material  SA240-316  SA312 TP316  Coca  Loca  Loca  Loca  Loca  Loca  Loca	SA240-31 (Spec. Ni Radius 71"  Diameter  3/8"  p. 302 stic, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Radius 4.26  (Converse Royal Reinforcement Maxerial	Attio  e to Pressure ex or Concave)  TH  No., Grade, Size,  *77  Attached  WELDED