

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE Page 1 of 4
COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM DESIGNATOR [SEE U-1(j)]
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Yula Corporation 330 Bryant Avenue Bronx New York 10474

(Name and address of Manufacturer)

2. Manufactured for Accurity Industrial Contractors 100 W Whitmer St. Central City, KY 42330

(Name and address of Purchaser)

3. Location of installation Unknown

(Name and address)

4. Type Vertical Heat Exchanger 1.8 cu. ft. 22994
 (Horizontal, vertical, or sphere) (Tank, separator, jkt. vessel, heat exch., etc.) (Capacity) (Manufacturer's serial number)

--- 34691-1 14452 2018
 (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Div. 1 2017 Edition ---
 (Edition and Addenda, if applicable (date)) (Code Case number)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels.

6. Shell: (a) Number of course(s) 2 (b) Overall length 8' 2"

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	6 5/8"	1' 6-5/8"	SA-312 Tp.304L		.134"	---	E	None	1.0	7	None	1.0	---	---
2	6 5/8"	6' 7 3/8"	SA-312 Tp.304L		.134"	---	E	None	1.0	7	None	1.0		

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material

7. Heads: (a) --- (b) ---
 (Material spec. number, grade or type) (H.T. — time and temp.) (Material spec. number, grade or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)														
(b)														

Body Flanges on Heads

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)												
(b)												

8. Type of jacket --- Jacket closure ---
 (Describe as ogee and weld, bar, etc.)

If bar, give dimensions. If bolted, describe or sketch. ---

9. MAWP 150 PSI -14.7 PSI at max. temp. 400 F 400 F Min. design metal temp. 40 F at 150 PSI / FV
 (Internal) (External) (Internal) (External)

10. Impact test NO, CHARPY IMPACT TEST EXEMPT PER UHA-51 at test temperature of ---
 (Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test pressure 214 PSI Proof test ---

Items 12 and 13 to be completed for tube sections.

12. Tubesheet Front: SA-240 Gr.316L 7 5/8" 1 1/4" --- Welded
 [Stationary (material spec. no.)] [Diameter (subject to press.)] [Nominal thickness] [Corr. allow.] [Attachment (welded or bolted)]
Rear: SA-240 Gr.304L 7 5/8" 1 1/4" --- Welded
 [Floating (material spec. no.)] [Diameter] [Nominal thickness] [Corr. allow.] [Attachment]
 13. Tubes SA-213 Tp.316L 1/2" 0.049" 71 Straight
 (Material spec. no., grade or type) (O.D.) (Nominal thickness) (Number) [Type (straight or U)]

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Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: (a) No. of course(s) (b) Overall length

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material

15. Heads: (a) SA-403 Gr.316L (b) SA-403 Gr.316L
(Material spec. number, grade, or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	Front	.134"	----	6"	----	----	----	----	7 5/8"	----	Yes	----	----	----
(b)	Rear	.134"	----	6"	----	----	----	----	7 5/8"	----	Yes	----	----	----

Body Flanges on Heads

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	Front	Ring	6 5/8"	10 7/8"	1 7/16"	---	SA-240 Gr. 316L	Welded	(8) 3/4"	SA 193 B8 Cl.1	---	---
(b)	Rear	Ring	6 5/8"	10 7/8"	1 7/16"	---	SA-240 Gr. 316L	Welded	(8) 3/4"	SA 193 B8 Cl.1	---	---

16. MAWP 150 PSI -14.7 PSI at max. temp. 400 F 400F Min. design metal temp. 40 F at 150 PSI / FV
(Internal) (External) (Internal) (External)17. Impact test NO, CHARPY IMPACT TEST EXEMPT PER UHA-51 at test temperature of --
(Indicate yes or no and the component(s) impact tested)

18. Hydro., pneu., or comb. test pressure 208 PSI Proof test --

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inlet / Outlet	2	1 1/2"	Cl150Wn	---	SA-182 F. 316L	---	---	Not Req'd	---	Integral	--
Inlet	1	1 1/2"	Cl150Flg	SA-312 Tp.304L	SA-182 F.304L	.145"	----	Not Req'd	Welded	Welded	--
Outlet	1	1"	Cl150Flg	SA-312 Tp.304L	SA-182 F.304L	.133"	----	Not Req'd	Welded	Welded	--
Vents / Drains	4	3/4"	Trd. Cplg	SA-182 F. 304L	---	3000#	---	Not Req'd	Welded	---	--
											--
											--

20. Supports: Skirt -- Lugs 2 Legs -- Others Vertical Supports Attached Side Welded
(Yes or no) (Number) (Number) (Describe) (Where and how)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report (list the name of part, item number, Manufacturer's name, and identifying number):

22. Remarks Yula Model No. CV-1B-102AAS Customer P.O. No. AIC0063 Daramic Oil Heater

Not responsible for safety valve UG-125. UG-46(a) See U-5 form for additional information. Bundle is 102" in length.

(2) 6.357" Minor OD x 12 3/4" Major OD x 1/4" Thk. SA-516 Gr.70 Flanged Only heads welded between shell courses to form expansion joint.

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CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

UM Certificate of Authorization Number 5423 Expires 3/30/2019

Date 11/8/2018 Name Yula Corporation Signed 
(Manufacturer) (Representative)

Signed  Certificate Number 780
(Certified individual) (National Board CI number)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

[illegible][illegible]

Certificate of Authorization: Type UM No. 5423 Expires 3/30/2020
 Date 4/30/2019 Name Yula Corporation Signed [Signature]
 (Manufacturer) (Representative)
 Date 4/30/19 Name [Signature] Commissions 1780
 (Authorized Inspector) (National Board Authorized Inspector Commission number)
 (07/17)