

1. Manufactured and certified by **Fulton Thermal Corporation, 972 Centerville Road, Pulaski, New York, 13142, USA**

(Name and address of Manufacturer)

2. Manufactured for **THERMOGENICS INC., 6 SCANLON COURT, AURORA, Ontario, L4G 7B2, CANADA**

(Name and address of Purchaser)

3. Location of Installation **NOT KNOWN**

(Name and address)

4. Type **N/A** **9607C** **N/A** **5-10-U04002_D** **11281** **2023**
 (Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 **2021/ N/A** **N/A** **DIRECT FIRED, UW-2(d)**
 [Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell: **SA-106B** **.154 in** **N/A** **2.375" (OD)** **0'**
 (Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: **SEAMLESS** **N/A** **85%** **N/A** **N/A** **TYPE 1** **N/A** **70%** **8**
 [Long. (welded, dbl., singl., lap, butt)] [R.T.(spot or full)] (Eff. %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., singl., lap, butt)] [R.T. (spot or full)] (Eff. %) (No. of courses)

8. Heads: (a) **SA-234 WPB** (b) **N/A**
 (Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.)

(a)	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
	ENDS	.154"	N/A	N/A	N/A	2:1	N/A	N/A	N/A		X	N/A	N/A	N/A

Body Flanges on Heads

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

9. MAWP **150 psi** **N/A** at max. temp. **650 °F** **N/A**
 (Internal) (External) (Internal) (External)
 Min. design metal temp. **-20 °F** at **150 psi** Hydro, pneu., or comb. test pressure **HYDRO at 225 psi**
 Proof test **N/A**

10. 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	
SAFETY VALVE	1	1" 300#	NZL/SO FLG	SA-106B	SA-105	.133"		INTEGRAL	UW-16.1(a)	2-4(3)	
INLET	1	2" 300#	RFWN		SA-105			INTEGRAL		2-4(6)	
OUTLET	1	2" 300#	RFWN		SA-105			INTEGRAL		2-4(6)	
INSTRUMENT #1	8	1/4" 3000#	COUPLING	SA-105		3000#		INTEGRAL	UW-16.1(a)		
INSTRUMENT #2	3	3/4" 3000#	SW COUPLING	SA-105		3000#		INTEGRAL	UW-16.1(a)		
INLET HDR	2	1 1/4"	Nozzle	SA106B		.140"		INTEGRAL	UW-16.1(a)		
OUTLET HDR	2	1 1/4"	Nozzle	SA106B		.140"		INTEGRAL	UW-16.1(a)		

11. Supports: Skirt **N/A** Lugs **N/A** Legs **2** Other **N/A** Attached **BOTTOM, WELDED**
 (Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
 (Name of part, item number, Manufacturer's name and identifying stamp)

SHELL CONSISTS OF (2) WOUND 1-1/4" COIL (312' TOTAL LENGTH) TERMINATING IN (2) 2" SA-106B SCH40 HEADERS. OVERALL - 29" OD x 62" HIGH. INSPECTION OPENINGS OMITTED FOR NON-CORROSIVE SERVICE PER UG-46. EXEMPT FROM CHARPY IMPACT TESTING PER UCS-66(a).

Manufactured by	Fulton Thermal Corporation, 972 Centerville Road, Pulaski, New York, 13142, USA		
Manufacturer's Serial No.	9607C	CRN	N/A
		National Board No.	11281

CERTIFICATE OF SHOP/FIELD COMPLIANCE

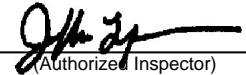
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number **19460** expires **June 11, 2026**.

Date **08/14/2023** Co. name **Fulton Thermal Corporation** Signed  (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by **Fulton Thermal Corporation** at **972 Centerville Road, Pulaski, New York, 13142, USA**
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company, of Hartford, CT

have inspected the component described in this Manufacturer's Data Report on **August 7, 2023**, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 **09/19/2023** Signed  (Authorized Inspector) Commissions **12988, NYS5319** (National Board Authorized Inspector Commission number)