

1622-002
No.
86333
No.

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

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

- 1. Manufactured and certified by Refrigeration Valves and Systems Corporation, 1520 Crosswinds Drive, Bryan, Texas, 77808
2. Manufactured for STERLING INDUSTRIAL REFRIGERATION, 598 AIRPORT BLVD., MORRISVILLE, North Carolina, 27560
3. Location of installation GOLD CREEK FOODS, 2255 WHITE SULPHUR RD., GAINESVILLE, Georgia
4. Type Horizontal 8" X 36" OIL POT 51654
5. ASME Code, Section VIII, Div. 1 2015/ N/A 28218 2016

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) 1 (b) Overall length 2' 4"

Table with 6 columns: Course(s), Material, Thickness, Long. Joint (Cat. A), Circum. Joint (Cat. A, B, & C), Heat Treatment. Row 1: 1, 8.625" OD, 2' 4", SA106B, .322, 0, S, NONE, 85%, 2, NONE, 65%, N/A, N/A.

Table: Body Flanges on Shells. Columns: No., Type, ID, OD, Flange Thk, Min Hub Thk, Material, How Attached, Location, Bolting (Num & Size, Bolting Material, Washer, Washer Material). Row 1: 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. Heads: (a) SA234 WPB NO HT (b) SAME

Table: Head Data. Columns: Location, Thickness, Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pressure, Category A. Rows (a) and (b) show END, .282, 0, N/A, N/A, 2:1, N/A, N/A, N/A, X, N/A, N/A, N/A.

Table: Body Flanges on Heads. Columns: Location, Type, ID, OD, Flange Thk, Min Hub Thk, Material, How Attached, Bolting (Num & Size, Bolting Material, Washer, Washer Material). Row 1: 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.

- 8. Type of jacket N/A Jacket closure N/A

If bar, give dimensions; if bolted, describe or sketch N/A

- 9. MAWP 400 psi at max. temp. 300 F Min. design metal temp. -50 F at 400 psi

- 10. Impact test NO UCS-66-b at test temperature of N/A

- 11. Hydro., pneu., or comb. test pressure Hydro. at 520 psi Proof test N/A

Items 12 and 13 to be completed for tube sections.

- 12. Tubesheet N/A N/A N/A N/A N/A

- 13. Tubes N/A N/A N/A N/A N/A

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) N/A (b) Overall length N/A

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
	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

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	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

15. Heads: (a) N/A (Material spec. number, grade or type) (H.T. - time and temp.) (b) N/A (Material spec. number, grade or type) (H.T. - time and temp.)

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.	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

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	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

16. MAWP N/A (Internal) N/A (External) at max. temp. N/A (Internal) N/A (External) Min. design metal temp. N/A at N/A

17. Impact test N/A at test temperature of N/A
 [Indicate yes or no and the component(s) impact tested]

18. Hydro., pneu., or comb. test pressure N/A Proof test N/A

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	
<u>MISC.</u>	<u>1,1</u>	<u>2,1-1/2</u>	<u>WE</u>	<u>SA106B</u>		<u>S/80</u>	<u>0</u>	<u>INHERENT</u>	<u>*</u>		
<u>MISC.</u>	<u>2</u>	<u>3/4</u>	<u>WE</u>	<u>SA106B</u>		<u>S/80</u>	<u>0</u>	<u>INHERENT</u>	<u>*</u>		

20. Supports: Skirt No (Yes or no) Lugs 0 (Number) Legs 0 (Number) Others 2 SADDLES (Describe) Attached WELDED TO SHELL (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):


N/A

22. Remarks

PRESSURE RELIEF DEVICE SUPPLIED BY OTHERS. *WELDED IN ACCORDANCE WITH FABRICATION DRAWING. FOR NON-LETHAL, NON-CORROSIVE SERVICE. SERIAL NUMBER STAMPED NEAR NAMEPLATE BRACKET.

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. U Certificate of Authorization Number 18912 Expires October 10, 2019

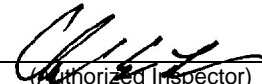
Date 10/17/2016 Name Refrigeration Valves and Systems Corporation Signed 
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by **OneCIS Insurance Company, of Lynn, MA**

have inspected the pressure vessel described in this Manufacturer's Data Report on October 4, 2016, 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 10/18/2016 Signed  Commissions: 12355A, TX1681
 (Authorized Inspector) [National Board (incl. endorsements)]

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements made in this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. U Certificate of Authorization Number _____ Expires _____

Date _____ Name _____ Signed _____
 (Assembler) (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by _____,

have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____. 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 _____ Signed _____ Commission _____
 (Authorized Inspector) [National Board (incl. endorsements)]