



STAINLESS FABRICATION, INC.

4455 W Kearney St | Springfield MO 65803 | 417-865-5696 | www.stainlessfab.com

Section 2

MANUFACTURER'S DATA REPORT & NAMEPLATE

1. Manufactured and certified by Stainless Fabrication, Inc., 4455 W. Kearney St., Springfield, Missouri, 65803

(Name and address of Manufacturer)

Manufactured for Mechanical Equipment Company, 68375 Compass Way East, Mandeville, Louisiana, 70471

(Name and address of Purchaser)

3. Location of Installation Not Known

(Name and address)

4. Type Vertical 13780 None 13780-1-M1 Rev. B 4521 2021
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2019/ None None None
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell: SA-240 316L 0.357" None 7' 2.0" (ID) 8' 5.0"
(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: Type 1 None 70% None N/A Type 1 None 70% 1
(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) Material SA-240 316L (b) Material SA-240 316L
(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Top	0.372"	None	86.0"	6"	N/A	N/A	N/A	N/A	Both
(b)	Bottom	0.2745"	None	86.0"	6"	N/A	N/A	N/A	N/A	Both

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)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

AWP 45 psi 15 psi at max. temp. 350 °F 350 °F
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 °F at 45/FV psi Hydro, pneu., or comb. test pressure HYDRO at 60 psi

Proof test None

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	
*Inspection	1	24"	Ring	SA-240 316L	SA-479 316L	0.500"	None	SA-240 304L	UW-16.1(a-1)	UW-16.1(m)	Top Head
Connection-Outlet	3-1	4"	Ferrule	SA-479 316L	-	0.250"-0.304"	None	None	UW-16.1(a)-(e)	-	T. hd.-B. hd.
Rupture-Spare	1-1	1-1/2"	Ferrule	SA-479 316L	-	0.187"-0.180"	None	None	UW-16.1(e)	-	Top Head
Press. Sensor-Sight/Light-Vent	1-1-1	3"	Ferrule	SA-479 316L	-	0.180"	None	None	UW-16.1(e)	-	Top Head
Connection	2	2"	Ferrule	SA-479 316L	-	0.180"	None	None	UW-16.1(e)	-	Top Head

Additional Nozzles - See Attached U-4...

11. Supports: Skirt No Lugs None Legs 4 each Other None Attached Legs welded to shell and bottom head
(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:

Top head and bottom head by Paul Mueller Company, serial numbers: 533914 and 533915, respectively

*Inspection opening by Paul Mueller Company, serial number 534074

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

Item is a 10,000 gallon WFI storage tank. Vessel was hydrostatically tested in vertical position. Over-protection device by end user, or end user's designated agent per UG-125. For non-corrosive and non-lethal service. Impact testing exempt per UHA-51(d) & (e). Product contact material is dual grade, 316/316L, but non-product contact materials are dual grade, 304/304L. Mfr. partial nameplates were removed per UG-11.

Manufactured by Stainless Fabrication, Inc., 4455 W. Kearney St., Springfield, Missouri, 65803Manufacturer's Serial No. 13780CRN NoneNational Board No. 4521

CERTIFICATE OF SHOP/FIELD COMPLIANCE

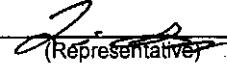
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 23598 expires November 24, 2023

Date 05/21/2021

Co. name

Stainless Fabrication, Inc.
(Manufacturer)

Signed


(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Stainless Fabrication, Inc. at 4455 W. Kearney St., Springfield, Missouri, 65803

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 component described in this Manufacturer's Data Report on May 21, 2021, 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 05/21/2021

Signed


(Authorized Inspector)

Commissions

15479

(National Board Authorized Inspector Commission number)

Tag No. V-223-1
User Field #1
Order No. 137735
User Field #2

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Stainless Fabrication, Inc., 4455 W. Kearney St., Springfield, Missouri, 65803
(Name and address of Manufacturer)

2. Manufactured for Mechanical Equipment Company, 68375 Compass Way East, Mandeville, Louisiana, 70471
(Name and address of Purchaser)

3. Location of installation Not Known
(Name and address)

4. Type Vertical N/A 13780
(Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)

None 13780-1-M1 Rev. B 4521 2021
(CRN) (Drawing number) (National Board number) (Year built)

Data Report
Item Number Remarks

Additional 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	
Connection	1	5.98" OD	Spud	SA-479 316L	-	0.925"	None	None	UW-16.1(e)	-	Bottom Head
Temperature	1	0.260" bore	Thermowell	SA-479 316L	-	0.187"	None	None	UW-16.1(j)	-	Bottom Head

Certificate of Authorization: Type "U" No. 23598 Expires November 24, 2023

Date 05/21/2021 Name Stainless Fabrication, Inc.
(Manufacturer)

Date 05/21/2021 Signed Ronald L. Vest Commissions 15479
(Authorized Inspector) (National Board Authorized Inspector Commission number)

Signed [Signature]
(Representative)



IN 4421

CERTIFIED BY
STAINLESS FABRICATION, INC.
SPRINGFIELD, MO

VESSEL	MAWP	45	PSI	AT	350	°F
	MDMT	-20	°F	AT	45	PSI
JACKET	MAWP	N/A	PSI	AT	N/A	°F
	MDMT	N/A	°F	AT	N/A	PSI
SERIAL NO.		13780		YEAR		2021

* MAWP 15 PSIG @ 350 DEG F
10000 LITER WD STORAGE TANK
TAG #V-223-1
PO #137735

STAINLESS FABRICATION, INC.

4455 W KEARNEY ST

SPRINGFIELD, MO 65803

800-397-8265 OR 417-865-5696

WWW.STAINLESSFAB.COM

SERIAL NO.

13780

RIP 141 00000002