

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single-Chamber, Completely Shop- or Field-Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by George Marker & Sons, Inc.
Will Street, McKeesport, Pennsylvania. 15132
(Name and address of Manufacturer)
2. Manufactured for BFS Industries, LLC., 200 Industrial Drive, Butner, NC. 27509
(Name and address of Purchaser)
3. Location of installation (Unknown)
(Name and address)
4. Type Horizontal, Tank 11347-12-21A - 50MS-F Rev. 2 2606 2022
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)
5. ASME Code, Section VIII, Div. 1 2019 - -
[Edition and Addenda, if applicable (date)] (Code Case number) [Special service per UG-120(d)]
6. Shell SA516,70 .250 None 60" OD 96"
(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
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

7. Seams Dbl. Butt - 70% - Dbl. Butt - 70% 1
[Long. (welded, dbl., snl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp.) (Time, hr) [Girth (welded, dbl., snl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of courses)]

8. Heads: (a) Material SA516,70 (b) Material SA516,70
(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)	End	.250	None	60"	4"	-	-	-	-	Concave
(b)	End	.250	None	60"	4"	-	-	-	-	Concave

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)	-	-	-	-	-	-	-	-	-	-	-	-

9. MAWP 50 - 400 -
(Internal) (External) at max. temp. (Internal) (External)

Min. design metal temp. -20 at 50 . Hydro., pneu., or comb. test pressure 65

Proof test -

10. Nozzles, inspection, and safety valve openings: Safety Valve Customers Responsibility

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	
Manway	1	12" x 16"	Ring	SA675,70	SA516,70	.75	None	None	Welded	-	End
Inlet	1	8" 150#	RFSO	SA53,B	SA105	Sch STD	None	None	Welded	Welded	Top
Outlet	1	6" 150#	RFSO	SA53,B	SA105	Sch STD	None	None	Welded	Welded	Bottom
Outlet	1	3" 150#	RFSO	SA53,B	SA105	Sch STD	None	None	Welded	Welded	End
Inlet	1	3"	Coupling	SA105	-	3000#	None	None	Welded	-	End
Outlet	1	2"	Coupling	SA105	-	3000#	None	None	Welded	-	Bottom
Inlet / Outlet	10	1 1/2"	Coupling	SA105	-	3000#	None	None	Welded	-	Side, Top, Bott.

11. Supports: Skirt No Lugs 2 Legs 2 Other Name Plate Bracket Attached Top, Bottom, End 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: " See attached U-4 Form"

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

Exempt from Impact-testing per UG-20f, Vessel Hydro-tested in a Horizontal Position

FORM U-1A

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Manufactured by George Marker & Sons, Inc.
Manufacturer's Serial No. 11347-12-21A CRN - National Board No. 2606

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 19,478 expires June 14, 2023.

Date 3-10-22 Co. name George Marker & Sons, Inc. Signed Barry C. Helmer
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by George Marker & Sons, Inc. at McKeesport, Pennsylvania.

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, Connecticut

have inspected the component described in this Manufacturer's Data Report on 3-10-22, 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 3-10-22 Signed Kimberly W. [Signature] Commissions NB11194, PA2714
(Authorized Inspector) (National Board Authorized Inspector Commission number)

1. Manufactured and certified by _____		George Marker & Sons, Inc	
_____		Will Street, McKeesport, Pennsylvania. 15132	
		(Name and address of Manufacturer)	
2. Manufactured for _____		BFS Industries, LLC., 200 Industrial Drive, Butner, NC. 27509	
		(Name and address of Purchaser)	
3. Location of installation _____		(Unknown)	
		(Name and address)	
4. Type _____	Horizontal	Tank	11347-12-21A
	(Horizontal, vertical, or sphere)	(Tank, separator, heat exch., etc.)	(Manufacturer's serial number)
_____	50MS-F Rev. 2	2606	2022
(CRN)	(Drawing number)	(National Board number)	(Year built)

[illegible]

Date 3-10-22 Name Kimberly Wages Commissions NB1194, PA2714
(Authorized Inspector) (National Board Authorized Inspector Commission number)

