

V22976-4-1  
Job Number  
040207  
P. O. Number

**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

V22976  
COP Number

1. Manufactured and certified by **Silvan Industries, 2121 Cleveland Avenue, Marinette, Wisconsin, 54143**  
(Name and address of Manufacturer)
2. Manufactured for **North American Filter Corp, Newark, New York**  
(Name and address of Purchaser)
3. Location of Installation **Unknown**  
(Name and address)
4. Type **Vertical** **798816** **N/A** **138-773 R.B** **798816** **2015**  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)
5. ASME Code, Section VIII, Division 1 **2013/ N/A** **None** **None**  
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))
6. Shell: **SA312 TP304** **.375"** **.016 in** **1' 8" (OD)** **6' 3.125"**  
(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
1	RFWN	19.00"	30.50"	2.5"	.375"	SA182 F304	Weld	Top	24 - 1-1/4"	SA193 B7	2.5"/1.31"/.16"	C1035

7. Seams: **Seamless Pipe** **None** **100** **None** **None** **Type 1** **Spot** **100** **1**  
(Long. (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff. %) (H.T. temp) (Time, hr) (Cirth. (welded, dbl., singl., lap, built)) (R.T. (spot or full)) (Eff. %) (No. of courses)

8. Heads: (a) Material **SA240 304** (b) Material **SA182 F304**  
(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)	Bottom	.312"	.016"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Top	2.5"	.016"	N/A	N/A	N/A	N/A	N/A	30.5"	N/A

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

9. MAWP **273 psi** **N/A** at max. temp. **752 °F** **N/A**  
(Internal) (External) (Internal) (External)
- Min. design metal temp. **-20 °F** at **273 psi** Hydro, pneu., or comb. test pressure **HYDRO at 460 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	
Drain	1	1"	Flange	SA182 F304		.5625"	.016"	Inherent	Weld		
Inlet/Outlet	1	1"	Flange	SA182 F304		.5625"	.016"	Inherent	Weld		
Inlet/Outlet	2	2"	Flange	SA182 F304		.625"	.016"	Inherent	Weld		
Inlet/Outlet	1	2"	Flange	SA182 F304		.625"	.016"	Inherent	Weld		Cover

Additional Nozzles - See Attached U-4...

11. Supports: Skirt **No** Lugs **2** Legs **3** Other **Mounting Bracket/Lug** Attached **Head/Shell-Weld**  
(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)

**Pressure Relief Valve Supplied by Other Than Mfgr. "CONSTRUCTED UNDER THE PROVISIONS OF PAR.UG90(c) (1), UHA-51(d)". ASME Vessel. Calculated Capacity 475 Gallons. Limiting MAWP to 273 is 20" 300# RFB Flange per B16.5. Internal MAWP is 273 psi @ 752°F. External MAWP is FV @ 350°F. Removable Cover 52-1558 is Adequate for Inspection. Model 43060-F20B.**

**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 16802  
 expires June 13, 2015

Date 05/19/2015 Co. name Silvan Industries Signed *Ann C. Walker*  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by Silvan Industries at 2121 Cleveland Avenue, Marinette, Wisconsin, 54143  
 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 26, 2015,  
 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 05/26/2015 Signed *David H. P...* Commissions 10105 A, WI100181  
(Authorized Inspector) (National Board (incl. endorsements))

V22976-4-1  
Job Number  
040207  
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**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

V22976  
COP Number

1. Manufactured and certified by Silvan Industries, 2121 Cleveland Avenue, Marinette, Wisconsin, 54143  
(Name and address of Manufacturer)
2. Manufactured for North American Filter Corp, Newark, New York  
(Name and address of Purchaser)
3. Location of installation Unknown  
(Name and address)
4. Type Vertical N/A 798816  
(Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)
- N/A 138-773 R.B 798816 2015  
(CRN) (Drawing number) (National Board number) (Year built)

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	6"	Flange	SA182 F304		1.063"	.016"	Inherent	Weld		

Certificate of Authorization: Type "U" No. 16802 Expires June 13, 2015

Date 05/19/2015 Name Silvan Industries Signed Am C. Wolfe  
(Manufacturer) (Representative)

Date 05/26/2015 Name Ronald A. Rowe Commissions: 10105 A, WI100181  
(Authorized Inspector) (National Board (incl. endorsements))



& SERIAL NO 798816

CERTIFIED BY



SILVAN INDUSTRIES

MARINETTE WISCONSIN U.S.A

U M.A.W.P. 273 PSI AT 752°F

M.A.W.P. FV PSI AT 350°F

W M.D.M.T. -20°F AT 273 PSI

RT3 YR BLT 2015 V22976-4-1

MODEL NO 43060-F20B TAG E591

H 312 S 375 C 2 500

DIV. OF NORTH AMERICAN FILTER CORP  
NEWARK, NEW YORK 14513

**MAFCO**



®

YEAR BUILT

MFG. SERIAL NO.



MAWP  
PSI

MAWP  
PSI

MDMT  
F PSI

MAWP  
PSI

MAWP  
PSI

MDMT  
F PSI

CERTIFIED BY

SILVAN INDUSTRIES



MAWP

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