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EXCERPT FROM HAMBURG TOWNSHIP MUNICIPAL UTILITIES COMMITTEE MEETING MINUTES

To the attention of: Jason B. Negri, Supervisor
Hamburg Township Board of Trustees

Re: **Muffin Monster for WWTP Purchase Request**

Please be apprised of this excerpt from the ☒ Unapproved ☐ Approved Minutes of the Meeting
of the Hamburg Township Sewer Committee:

Date of Meeting: July 8th, 2025

Sewer Committee Members Present: Negri, Menzies, Daniels

Sewer Committee Members Absent: None


Text of Motion: MOTION BY NEGRI, SECONDED BY MENZIES FORWARD TO
THE BOARD WITH THE RECOMMENDATION TO AUTHORIZE
RANDAZZO AND WARD TO PROCEED WITH THE VOGELSANG
QUOTE FOR THE PURCHASE OF A NEW GRINDER UNIT FOR THE
WWTP NOT TO EXCEED \$19,812.00 PLUS THE ADDITIONAL
LABOR/INSTALLATION CHARGES NOT INCLUDED WITH THIS
QUOTE.

Ayes: Negri, Menzies, Daniels Absent: None Nays: None

MOTION CARRIED.

State of Michigan }
County of Livingston }
Township of Hamburg }

I, BRITTANY K. CAMPBELL, Hamburg Township Utilities Coordinator and recording
secretary to the Municipal Utilities Committee, do hereby certify that the foregoing is a true and
correct excerpt of the Minutes of the aforementioned Regular/~~Special~~ Meeting of the Hamburg
Township Municipal Utilities Committee.


BRITTANY K. CAMPBELL
HAMBURG TOWNSHIP UTILITIES COORDINATOR

Date: July 8th, 2025



Quote

Customer: Hamlett Environmental Technolo
Nathan Hunter
714 E Grand River Ave, Ste 1
Howell, MI 48843
United States
(517) 545-2500
nathanh@hamlettenvironmental.c
o

Bill To: Hamburg Twp



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Quote #: 061925NH1



Date: 06.19.2025
No. of Pages: 2
Valid To: 07.12.2025
Delivery Terms: PPA (PrePay and Add)
Credit Terms: Net 30
Project Name: Hamburg, MI JWC
Replacement
Ship Via: CH Robinson (Vogelsang Acct)

Revision Remark

Comment

Any item not specifically listed in the quotation will not be supplied by Vogelsang.

Line #	P/N# Description	Qty	Ext. Net Price	Delivery ARO
Hamburg, MI JWC Replacement / Raw Sewage - Municipal Wastewater / 1 % Solids / 1500 gpm				
1.0	# 10.4032 XRP186-260 12 inch AssemblyX-Ripper Assembly XRipper XRB0000347 (Model XRP186-260Q) Ripper Rotor..... High Wear Resistant Special Steel 7.9 mm Mechanical Seals..... Cartridge Single - Block Ring SS304 Cr2O3/Duronite Cartridge O-Rings..... NBR Wear Plate Material..... High Wear Resistant Special Steel Flange Left..... Mild Steel Galvanized, Inspection Port, 12 inch Flange Right..... Mild Steel Galvanized, Inspection Port, 12 inch Drive Type..... Geared Motor Motor Part Number..... US.GM0047 Motor..... Nord 5 HP, 460 V, 60 HZ, 1755 RPM Motor Frame Size..... 112MP Motor Enclosure..... TEFC	1	\$ 19,520.00	12 Week(s)

Verify materials of construction are compatible with your process, as Vogelsang does not warrant against chemical incompatibility.
Quoted delivery time subject to prior sale.

Vogelsang | 7966 St. Rt. 44 | P.O. Box 751 | Ravenna, OH 44266 | Ph: 330-296-3820 | www.vogelsangusa.com

vna10 3-3-19 ver.4

Quote

Quote #:138821 v.01



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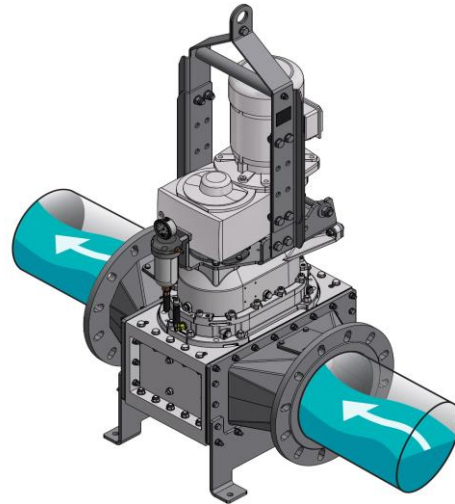
Page: 2

Line #	P/N# Description	Net Price Each	Qty	Ext. Net Price	Delivery ARO
<div>Project Discount</div>					<div>-4,476.10\$</div>
2.1			1		12 Week(s)
Net Total with 0.00% Sales Tax				Subtotal: \$	19,520.00
				Freight:	267.00
				Packaging:	25.00
				Taxes:	0.00
				Quote Total: \$	19,812.00

XRP186-260Q

The XRipper® is perfect for inline applications where solids are suspended in a liquid and must be reduced to a specific size suitable for downstream pumps and processing equipment. The compact twin-shaft design provides an economic option for many solids reduction applications.

Vogelsang is pleased to present you with a quote for our revolutionary XRipper® INLINE TWIN SHAFT GRINDER. From our monolithic rotor design, oversized shafts, cartridge mechanical seals, and in-line repair, without costly cartridge exchanges, Vogelsang will be the clear choice for your grinding needs.



XRipper® INLINE TWIN SHAFT GRINDER

Operations:

The XRipper® Cutting Rotors work together to reduce the solids in the liquid to the desired size. Adjusting the rotation of the XRipper® influences the maceration effect as well. The sharp saw-like tips slice and cut while the rough surface grind objects. This combination dramatically improves efficiency and solids reductions.

Maximum Mechanical Seal Life:

XRipper® uses a pressurized oil canister to maintain pressure inside a buffer chamber between the wetend and gearbox. This pressure reduces the wear on the mechanical seals and maintains optimum performance.

Compact Size Reduces Expense:

Small footprints equate to reduced construction and fabrication expenses.

Complete Wet-End Rebuilds Inline:

Unlike typical inline twin-shafted grinders, our Quick Service design provides easy access to the wet end without removing the unit from service or disturbing the connected piping. The cutting elements can be serviced or replaced inline without sending them back for factory reconditioning.

Drive Options:

The XRP series is driven by an inline electric geared motor. It is also available with Submersible Motor, Explosion Proof Motor or Hydraulic Drive.

Run Dry Without Damage:

The XRipper® is designed to run dry indefinitely because the cutting rotors do not contact against each other.

Specification Sheet (1/2)



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PROCESS CONDITIONS

Customer Number	136112	Solid Content	Not Provided
Customer Name	Hamlett Environmental Technologies	% Solids	1.00%
Project	Hamburg, MI JWC Replacement	Incoming Solids Max Size	
Quote Number	13882101	Desired Output Solid Size	
Quote Position Number	1	Pumping Temperature	100 °F
Number of Units	1	Liquid pH	7
Required Capacity	1500 gpm	Hours running per day	24 hrs
Maximum Pressure	58.0 psi	Pressure Loss	0.7 psi
Medium	Raw Sewage - Municipal Wastewater	XRipper Speed	33 RPM
Abrasiveness (1-10)	7 - very Abrasive like FOG, Raw Sewage	Tag Number 1	Not Specified

XRIPPER INFORMATION

XRipper Part Number	XRB0000347	Wear Plate Material	High Wear Resistant Special Steel
XRipper Model	XRP186-260Q	Top Shaft	Parallel Shaft Geared Motor SK4282
Material of Construction	Grey Cast Iron	Bottom Shaft	Shaft Short
Cover Type	Q	Drain Hose	No
Ripper Rotor Material	Steel	Scraper	No
Ripper Rotor Blade Width	7.9 mm	Oil Bottle	Standard Pressurized Oil Bottle
Stack Height	10.2 inch	Buffer Chamber Fluid	Titan Gear MP90 Gear Oil
Cartridge Stationary Ring Pairing	Steel - Duronit	Top Shaft Diameter	
Cartridge O-Rings	NBR	Top Shaft Length	
Wetted O-Ring Material	NBR		
Flange Gasket Material	N/A		

GEARED MOTOR INFORMATION

Manufacturer	Nord Gear Corp.	Shaft / Mounting	Hollow Shaft / B14 Flange
Vendor Part Number	SK4282AZGH-112MP/4 CUS TF	Shaft Diameter	50 mm
Motor Material	Aluminum	Reducer Options	Rubber Buffers, Hollow Shaft Cover
Gearbox Material	Cast Iron	Efficiency Class	Premium Efficiency
Class I Div I	No	Protection Class	IP55
Class I Div II	Yes	Gearbox Mounting Position	M4
Voltage	230/460	Terminal Box Position	2
Full Load Amps	13/6.5	Terminal Box Cable Entry	I
Frequency	60 Hz	Insulation Class	F
HP	5 HP	Thermistors	Yes
Motor Speed	1755 RPM	Thermostats	No
RPM (Output)	34 RPM	Overall Length	
Gear Ratio	52.2		

FLANGE CONFIGURATION

Left Flange Part Number	CON2673	Right Flange Part Number	CON2673
Left Flange Type	Straight	Right Flange Type	Straight
Left Flange Material	Hot Dipped Galvanized Steel	Right Flange Material	Hot Dipped Galvanized Steel
Left Flange Size	12.0 inch	Right Flange Size	12.0 inch

WARRANTY INFORMATION

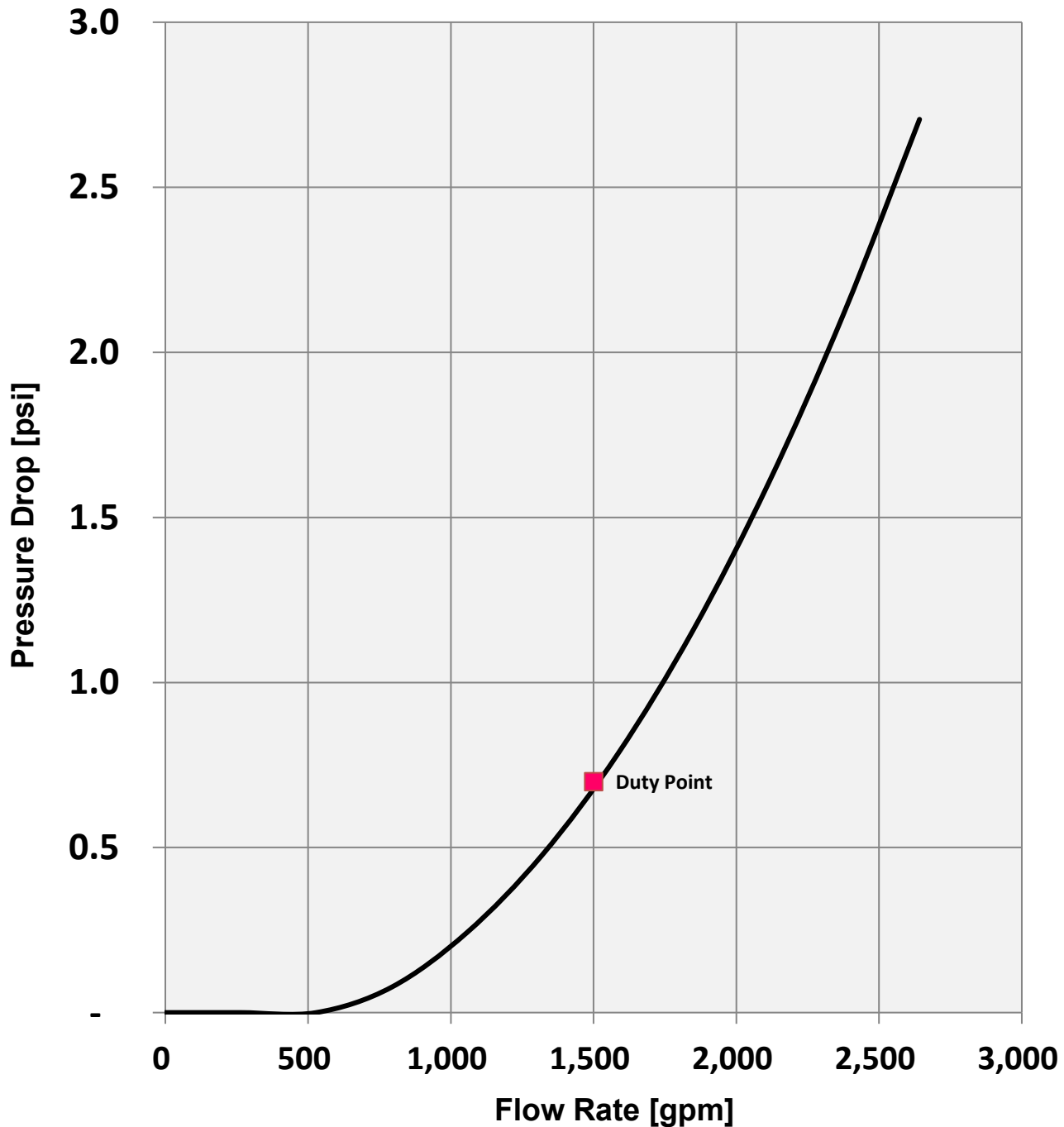
Warranty Type	Municipal Warranty - Standard
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Pressure Loss Curve

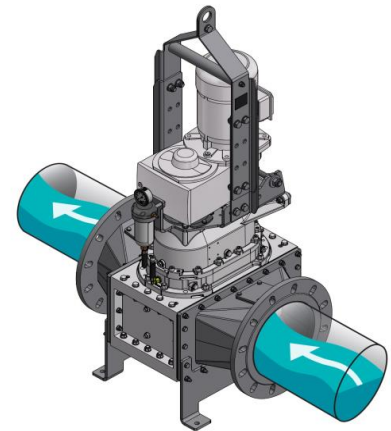
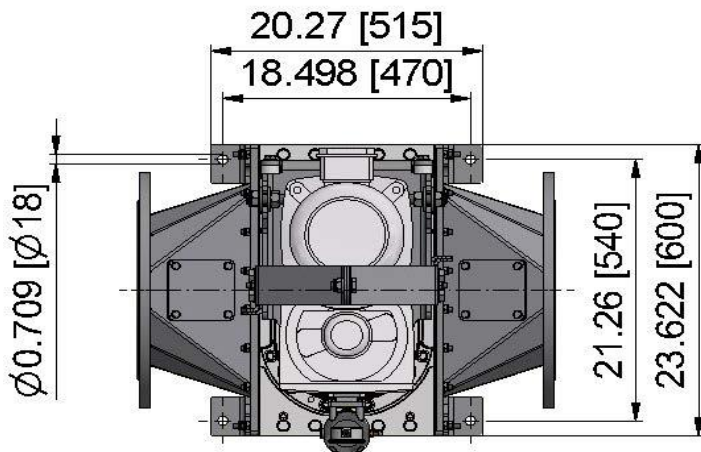
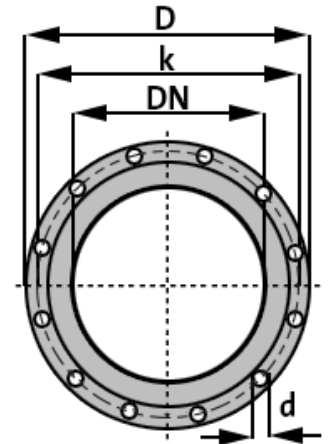
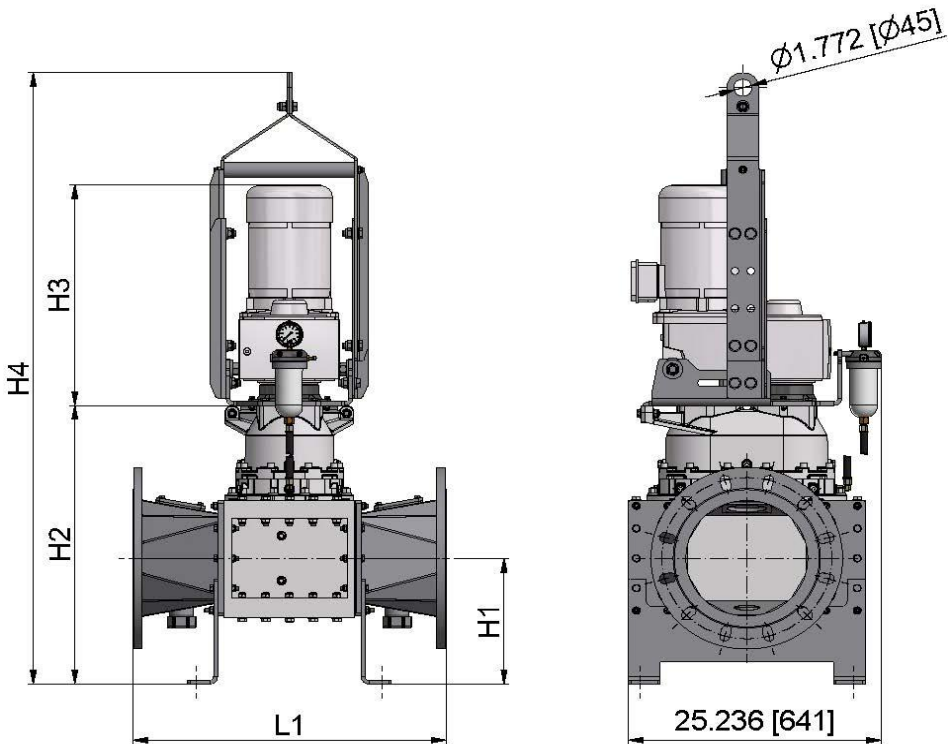


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XRipper: XRP186-260Q
Project Name: Hamburg, MI JWC Replacemer
Quote #: 13882101
Medium: Raw Sewage - Municipal Wastewater
Solids: 1% Dry Solids
Equipment Tag(s):



Raised-Face Flange Data Inches	
Norm	ANSI (ASA) B 16.5
DN	12
D	19
k	17
d	1
Hole number	12



Flow Direction

All dimensions are shown in inch [mm]
Scale: NTS

Dimension	inch	mm
L1	31.26	794.00
H1	13.27	337.00
H2	29.37	746.00
H3	22.33	567.16
H4	66.40	1,686.60

sales@vogelsangusa.com		
7966 SR 44, Ravenna, OH 44266		
Phone: 330-296-3820		
Date	6/2/2025	© copyright

Vogelsang Data	
Customer	Hamlett Environmental Technologies
Quote ID	13882101
Sales Order No	
Position No	1
Project	Hamburg, MI JWC Replacement

XRipper	XR00000347
Motor	US.GM0047
Flange Left	CON2673
Flange Right	CON2673
Mounting	PAS0106
Total Weight	1158 lbs



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LIMITED WARRANTY

For the benefit of the original purchaser only. Vogelsang warrants all products of its manufacture to be free from defects in workmanship and materials for **5 years**, and failure from wear for a period of **2 years** from the date of **substantial completion**, provided the purchaser gives prompt notice of any such defect to Vogelsang, and upon request, furnishes any defective parts or product to Vogelsang for its inspection, freight pre-paid, at its facility in Ravenna, Ohio. Provided such notice is received, and authorization is given by Vogelsang in writing, to commence work on its behalf, Vogelsang, at its option, will either repair or replace, without charge, **F.O.B. original shipping point**, any parts of products to have been found defective at shipment or during the warranty period, or credit to the account of purchaser the price paid for such product. No reimbursement shall be allowed for any expense incurred for repairs or alterations made by others without **prior** written authorization from Vogelsang.

The warranty does not cover any product failures arising from abnormal use, improper or other than approved applications or installations, neglect or accident. Our products are not designed nor intended for use with every known substance. Vogelsang does not warrant against chemical incompatibility.

The foregoing expressed limited warranty and remedy are exclusive of all other warranties and remedies, including, but not limited to, all implied warranties of merchantability or fitness for particular purpose, and all other remedies and damages for breach of such warranties are specifically excluded.

The warranties of Vogelsang do not cover and Vogelsang makes **NO Warranty** with respect to:

- A. Materials of construction offered by Vogelsang are recommended based of previous Vogelsang experience. Verifications and acceptance of the materials of construction recommended are the sole responsibility of the buyer;
- B. Failures not reported to Vogelsang within the warranty period specified above;
- C. Failures or damage due to misapplication, abuse, improper installation;
- D. Failures due to operation above the rated capacities or in an otherwise improper manner;
- E. Products which have been in any way tampered with or altered by anyone other than an authorized representative of Vogelsang
- F. Products damaged in shipment or storage or otherwise without fault of Vogelsang;
- G. Loss associated with pumping medium
- H. Labor and/or material expense incurred by buyer which relates in any manner to any alleged defective products, unless the Buyer incurs such expenses under expressed written authorization, from Vogelsang, **PRIOR TO THE COMMENCEMENT OF WORK.**
- I. Unless a freight carrier is noted on the buyer's purchase order, Vogelsang will send all shipments at its own discretion, using fully insured commercial carriers.

Any equipment manufactured by others, included in the sale is sold only with such warranties as may be provided by the original manufacturer.

This information supersedes all previously published information.