



**Recommended for
maple sap vacuum
production on up to
400 taps**

- **Up to 29 in Hg vacuum on sugarbushes with tight sap lines and wetted pump valves**

◇ Factory-tested to 20 in Hg vacuum with dry valves

- **Use on up to 400 taps**

- **No releaser required**

◇ Creates vacuum and transfers fluid

◇ Liquid will not damage pump

◇ Can run dry without damage

- **Wetted components made of FDA-approved materials**

- **1.0 cfm (8.3 gpm)**

- **Quiet-running 12V 60 rpm motor**

- **Water-resistant motor enclosure**

- **Accommodates 1-1/4" - 2" hose/tubing**

- **17-20 hours operation on one (1) 12VDC 55-amp hour battery**

Performance

Flow Rate	per stroke: 0.55 Qt (0.52L) per min: 8.3 gpm
Max Vacuum	29 in Hg (1.0 bar) ¹
Max Lift	20 ft (6.1 m) ¹
Max Pressure	10 psi (0.7 bar) ¹
Max Head	23 ft (7.0 m) ¹
Max Service Temp	220°F (104°C)
Min Operating Temp	26°F (-3.3°C)

¹ with umbrella valve; on sap lines with minimal leaks; wetted valves

Specifications / Options

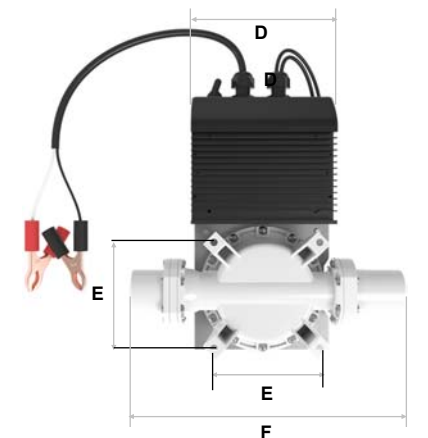
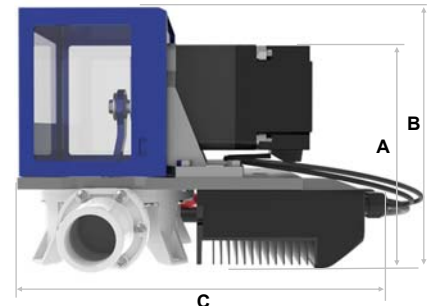
Body & Ports ¹	Natural (Pigment-free) Delrin / White ²
Clamp Ring	Aluminum Motor Mounting Plate
Valves ¹	Umbrella ²
Diaphragm ¹	Buna-N ² , Silicone ² , Santoprene ²
Available Ports ¹	1-1/4" F (tapped), 1-1/2" smooth, 1-1/2" M (threaded)

¹ in contact with fluid

² FDA-approved material

Valve Options

Umbrella	Excellent vacuum service. Best for transfer of liquids free of any materials. Made from FDA-approved silicone.
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	in	cm
A	7-1/2	19.0
B	8-1/4	21.0
C	13	33.0
D	6	15.2
E	4-5/16	11.0
F	10-7/8	27.6
Mounting Holes	1/4	0.64
Bolt Circle Diam.	6-1/8	15.6
Weight	15.0 lb	6.8 kg

Motor Specifications

Motor Type	12VDC, Brushless DC Motor
Power	90 W (1/8 HP)
Protection	Motor and Driver—IP54
Speed	60 rpm
Torque	83.7 in-lbs
Ambient Temperature Range	-3.3°C ~ +50°C (+26°F ~ +122°F)
Rated Current	9.38A
Weight	~ 7 lbs
Certifications	CE

Guzzler® 12 VDC Electric Pump GE-0503N

Product Model Number Nomenclature Guide

Recommended options for use in maple sap collection

Example: GE-0503N-071-58-8080-PK

- Guzzler Electric Pump
- Model style #0503N: Natural Delrin Body, Opposite Side Ports
- No Variable Speed control option
- Silicone Umbrella Valves
- Buna Diaphragm
- Natural Delrin Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1-1/2" Smooth
- Outlet: 1-1/2" Smooth
- 12 VDC 60 RPM Motor



Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Nat'l Delrin, Opp. Side Ports	0503N

Speed Control	
Option	Code
None	0

Valves	
Option	Code
Umbrella (Silicone)*	7

Diaphragm	
Option	Code
Buna Nitrile*	1
Silicone*	7
Santoprene*	8

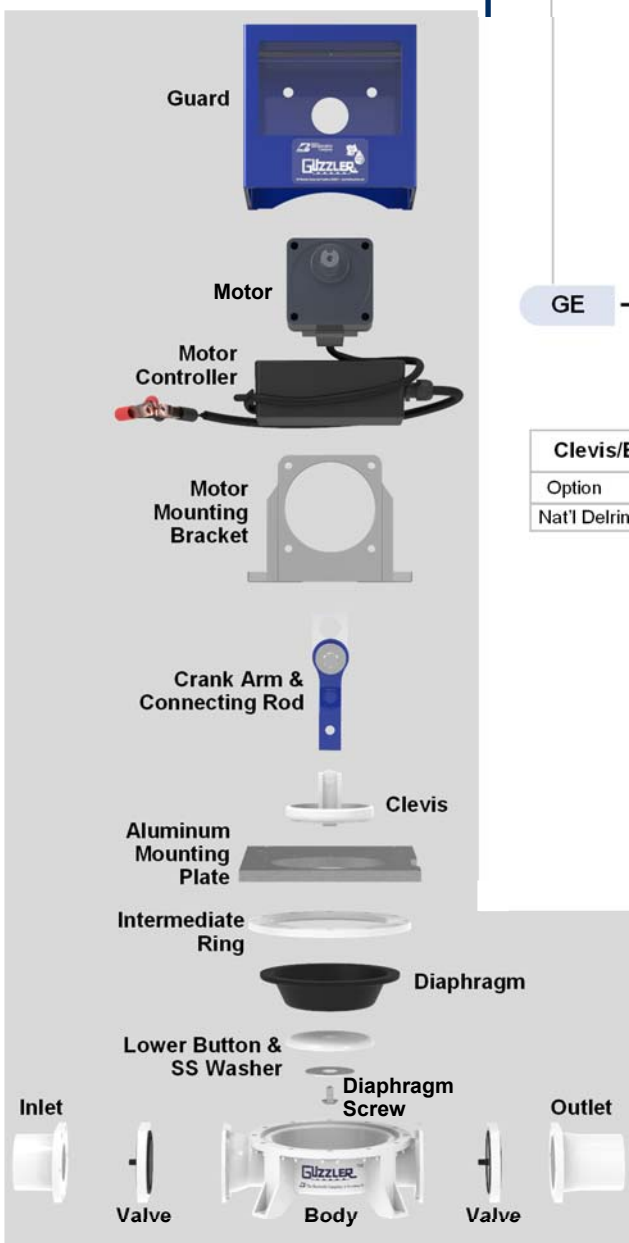
GE - 0503N - 0 7 1 - 5 8 - 80 80 - PK

Clevis/Button Assembly	
Option	Code
Nat'l Delrin Clevis	5

Clamp Ring	
Option	Code
Motor Mounting Plate	8

Hose Connections		
Option	Code	
	Inlet	Outlet
1-1/4" NPT Tapped	71	71
1-1/2" Smooth	80	80
1-1/2" NPT Threaded	82	82
2" Smooth	90	90

12 VDC Motor	
Option (Speed / Torque)	Code
60 rpm / 84 in-lbs	PK



* These elastomers are made from FDA-approved material.