

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



### Specifications / Options

<b>Body &amp; Ports *</b>	Natural (Pigment-free) Delrin / White
<b>Clamp Ring</b>	Aluminum Motor Mounting Plate
<b>Valves *</b>	Flapper (White Buna), Umbrella (Silicone**)
<b>Diaphragm *</b>	Buna-N, Silicone (both FDA-approved materials)
<b>Clevis/Button Assembly *</b>	SS Washer + Aluminum Clevis
<b>Motor</b>	24 VDC 1/8HP

\* in contact with fluid

### Available Ports

	in	1/2	3/4	1	1-1/8	1-1/4
	cm	1.27	1.91	2.54	2.86	3.18
<b>Hose (Smooth)</b>				S	•	•
<b>NPT Female (Tapped)</b>		•	•			
<b>NPT Male (Threaded)</b>			•	•		
<b>Barbed</b>					•	

S Standard • Optional

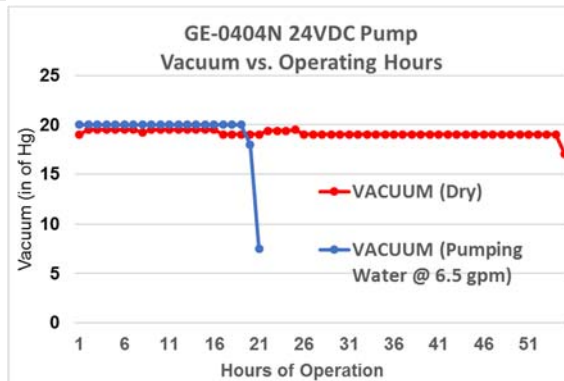
### Motor Specifications

<b>Motor Type</b>	24VDC, Brushless DC Motor
<b>Power</b>	100 W (1/8 HP)
<b>Protection</b>	[Motor] IP65 (excluding connectors) [Driver] IP00
<b>Speed</b>	60 rpm
<b>Torque</b>	152 in-lbs
<b>Ambient Temperature Range</b>	0°C ~ +50°C (+32°F ~ +122°F) (non-freezing)
<b>Max Load Amps</b>	6.0
<b>Weight</b>	~7 lbs
<b>Certifications</b>	UL, CSA, CE

- Factory-tested to 22 in Hg vacuum
  - ◇ **Can achieve 28 in Hg** on sugar-bushes with tight sap lines & wetted 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
- 0.9 cfm (6.6 gpm)
- Quiet-running 24 VDC 60 rpm motor
- Water-resistant motor enclosure
- Accommodates 1/1" – 1-1/4" hose/tubing
- Minimum 20 hours operation on 2 12VDC 60-amp hour batteries

### Valve Options

<b>Flapper</b>	General purpose liquid transfer		For vertical pump mounts, inlet must be below outlet
<b>Umbrella</b>	Clear liquids	Best vacuum service	Mount pump in any position



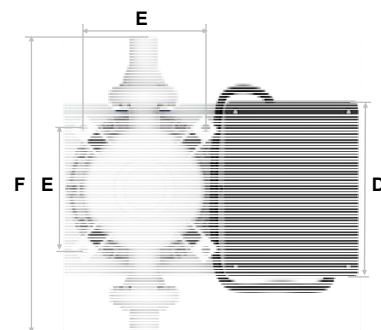
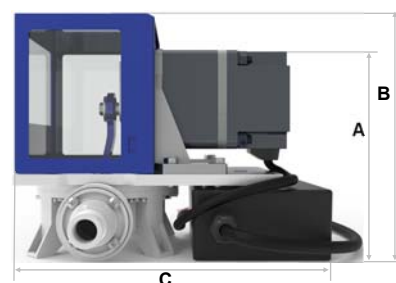
Operating results when pump is powered by two (2) 12 VDC 60-amp-hour batteries.

### Performance

<b>Flow Rate</b>	per stroke: 0.44 Qt (0.42L) per min: 6.6 gpm
<b>Max Lift</b>	20 ft (6.1 m) <sup>1,2</sup>
<b>Max Head</b>	25 ft (7.6 m) <sup>1</sup>
<b>Max Pressure</b>	11 psi (0.7 bar) <sup>1</sup>
<b>Max Service Temp</b>	220°F (104°C)

<sup>1</sup> depending on choice of motor

<sup>2</sup> with a check valve



	in	cm
<b>A</b>	7-1/4	18.4
<b>B</b>	8-1/4	21.0
<b>C</b>	10-1/2	26.7
<b>D</b>	6	15.2
<b>E</b>	4-5/16	11.0
<b>F</b>	11	27.9
<b>Mounting Holes</b>	1/4	0.64
<b>Bolt Circle Diam.</b>	6-1/8	15.6
<b>Weight</b>	15.0 lb	6.8 kg

# Guzzler® 24 VDC Electric Pump

## GE-0404N

### Product Model Number Nomenclature Guide

**Example: GE-0404N-071-58-5050-TK**

- Guzzler Electric Pump
- Model style #0404N: Natural Delrin Body, Opposite Side Ports
- No Variable Speed control option
- Silicone Umbrella Valves
- Buna-N Diaphragm
- Natural Delrin Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1" Smooth
- Outlet: 1" Smooth
- 24 VDC 60 RPM Motor



Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Natural Delrin, Opp. Side Ports	0404N

Speed Control	
Option	Code
None	0

Valves	
Option	Code
Flapper (White Buna)*	2
Umbrella (Silicone)*	7

Diaphragm	
Option	Code
Buna Nitrile*	1
Silicone*	7

**GE - 0404N - 0 7 1 - 5 8 - 50 50 - TK**

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

Clamp Ring	
Option	Code
Motor Mounting Plate	8

Hose Connections		
Option	Code	
	Inlet	Outlet
1/2" NPT Tapped	31	31
3/4" NPT Tapped	41	41
3/4" NPT Threaded	42	42
1" Smooth	50	50
1" NPT Threaded	52	52
1-1/8" Smooth	60	60
1-1/8" Barbed	63	63
1-1/4" Smooth	70	70

24 VDC Motor	
Option (Speed / Torque)	Code
60 rpm / 152 in-lbs	TK

\* These elastomers are made from FDA-approved materials.

