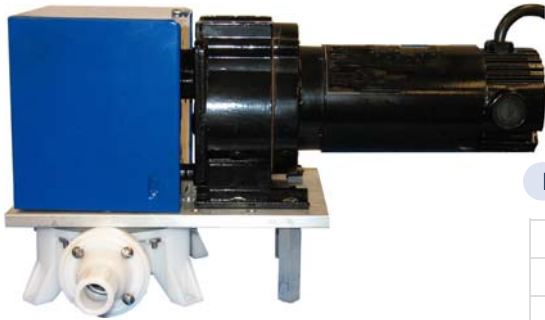




## Guzzler® 12 VDC Electric Pump GE-0403N



- FDA-approved components for parts in contact with fluid
- Ideal for pharmaceutical, food processing or biomedical applications
- Maximum vacuum: 22 in Hg
- 2.5 – 10.3 GPM (0.3 – 1.4 cfm)
- Accommodates 1/2" – 1-1/4" hose
- Features 12 VDC motor with optional speeds from 23 – 94 RPM

### 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>	Natural Delrin
<b>Motor</b>	12 VDC 1/6 HP

\* in contact with fluid

### Available 12 VDC Motors & Performance

Pump Flow Rate <sup>3</sup> (GPM)	Motor Speed <sup>3</sup> (Name-plate RPM)	Full Load Torque (In-Lbs.)	Input HP	Full Load Amps	Max Pressure (psi)	Max Lift <sup>4</sup> (ft)	Max Head (ft)
2.5	23	280	1/6	9.4	15	20	25
3.4	31	278	1/6	14.0	15	20	25
5.5	50	183	1/6	14.0	15	20	25
7.0	64	150	1/6	14.0	15	20	25
10.3	94	102	1/6	14.0	7	16	16

<sup>3</sup> at 0 lift, 0 head

<sup>4</sup> Check valve recommended for lifts above 12 ft.

### Performance

<b>Flow Rate</b>	per stroke: 0.44 Qt (0.42L)
<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>	15 psi (1.0 bar) <sup>1</sup>
<b>Max Vacuum</b>	22 in Hg (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

### 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

### Available Ports

	in 1/2	3/4	1	1-1/8	1-1/4
	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

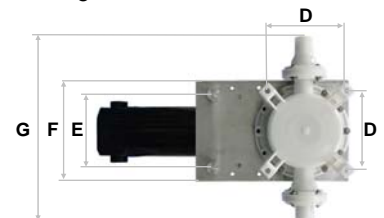
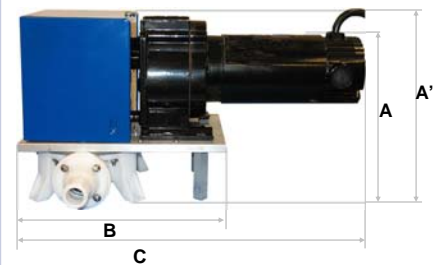
### Motor Specifications

<b>Motor Type</b>	12VDC, Permanent Magnet
<b>Enclosure</b>	Total Enclosed Non-ventilated
<b>Brushes</b>	Externally replaceable
<b>Rotation</b>	Reversible
<b>Ambient</b>	40°
<b>Thermal Protection</b>	None
<b>Lubrication</b>	Permanent Heavy Fluid Gear Oil
<b>Gears</b>	Hardened Steel
<b>Weight</b>	~12 lbs
<b>Certifications</b>	UL Recognized (E47479)



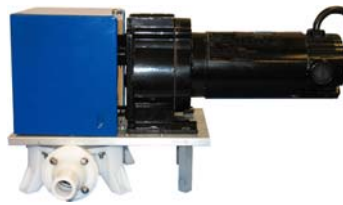
**Note:** Motor requires additional support for proper balance during operation.

Pump shown above with optional motor support bracket. (Part # BR-01.)



	in	cm
<b>A</b>	7-3/8	18.7
<b>A'</b>	8-1/4	21.0
<b>B</b>	9	22.9
<b>C</b>	15-5/8	39.7
<b>D</b>	4-5/16	11.0
<b>E</b>	4	10.2
<b>F</b>	6	15.2
<b>G</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® 12 VDC Electric Pump GE-0403N



**Example: GE-0403N-021-58-5050-PL**

- Guzzler Electric Pump
- Model style #0403N: Natural Delrin Body, Opposite Side Ports
- No Variable Speed control option
- White Buna-N Flapper Valves
- Buna-N Diaphragm
- Natural Delrin Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1" Smooth (Nat'l Delrin)
- Outlet: 1" Smooth (Nat'l Delrin)
- 12 VDC 64 RPM Motor

Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Natural Delrin, Opp. Side Ports	0403N

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 - 0403N - 0 2 1 - 5 8 - 50 50 - PL**

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

12 VDC Motor		
Option (Speed / Torque)	Code	
23 rpm / 280 in-lbs	PC	
31 rpm / 278 in-lbs	PE	
50 rpm / 183 in-lbs	PG	
64 rpm / 150 in-lbs	PL	
94 rpm / 102 in-lbs	PS	
No Motor	00	

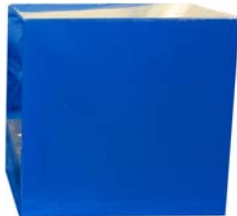
Motor



Crank Arm & Connecting Rod Assembly



Guard



Aluminum Mounting Plate



Clevis/Button



Diaphragm



Lower Button & SS Washer



Valve

Valve



Body



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