



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



- Potable-water approved components for parts in contact with fluid
- Ideal for pharmaceutical, food processing or biomedical applications
- Accommodates 1/2" – 1" hose
- 2.5 – 10.3 GPM
- 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>	White (pigment-free) Silicone
<b>Clevis/Button Assembly *</b>	SS Washer + Aluminum Clevis
<b>Motor</b>	12 VDC 1/6 HP

\* in contact with fluid

\*\* Silicone not FDA-approved

### 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	13	20	25
7.0	64	150	1/6	14.0	10	20	23
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 Service Temp</b>	150°F (66°C)

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

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

### Available Ports

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

### Valve Options

**Flapper** — General purpose liquid transfer. White (pigment-free) Buna.



**Umbrella** — Most efficient for pumping clean liquid. Also used for air and vacuum service.



Side View



Installation Note: Pump cannot be mounted using pump body mounting feet alone. Motor needs additional support.

Use optional motor support bracket from Bosworth (shown above.) (Part # BR-01)



12 VDC permanent-magnet motor used with GE-0403N

# Guzzler® 12 VDC Electric Pump GE-0403N



**Example: GE-0403N-027-48-5050-PL**

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

