



### Specifications / Options

|                                            |                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------|
| <b>Body &amp; Ports</b> <sup>1</sup>       | Natural (Pigment-free) Delrin / White <sup>2</sup>                    |
| <b>Clamp Ring</b>                          | Aluminum Motor Mounting Plate                                         |
| <b>Valves</b> <sup>1</sup>                 | Umbrella <sup>2</sup>                                                 |
| <b>Diaphragm</b> <sup>1</sup>              | Buna-N <sup>2</sup> , Silicone <sup>2</sup> , Santoprene <sup>2</sup> |
| <b>Clevis/Button Assembly</b> <sup>1</sup> | Natural Delrin (White) <sup>2</sup> and Stainless Steel <sup>2</sup>  |
| <b>Motor</b>                               | 12 VDC 1/8HP                                                          |

<sup>1</sup> in contact with fluid

<sup>2</sup> FDA-approved material

### 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  |
| Hose (Smooth)       |    |      |      | S    | •     | •     |
| NPT Female (Tapped) | •  | •    |      |      |       |       |
| NPT Male (Threaded) |    |      | •    | •    |       |       |
| Barbed              |    |      |      |      | •     |       |

S Standard • Optional

### Motor Specifications

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

- Can achieve 29 in Hg on sugar-bushes with tight sap lines & wetted valves

◇ Factory tested to 20 in Hg vacuum

- 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 12 VDC 60 rpm motor

- Water-resistant motor enclosure

- Accommodates 1/1" – 1-1/4" hose/tubing

- Minimum 17-20 hours operation on one 12 VDC 60-amp hour battery

### Valve Options

#### Umbrella



Excellent vacuum service. Best for transfer of liquids free of any materials. Made from FDA-approved silicone.

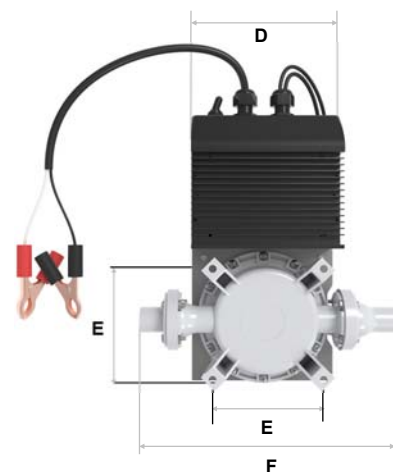
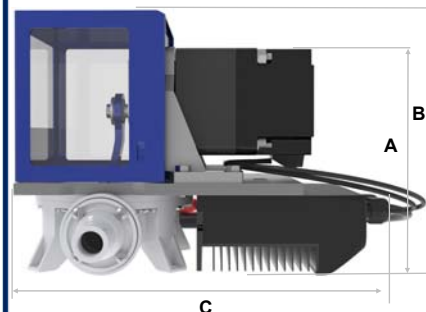
### Performance

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>Flow Rate</b>          | per stroke: 0.44 Qt (0.42L)<br>per min: 6.6 gpm |
| <b>Max Lift</b>           | 20 ft (6.1 m) <sup>1,2</sup>                    |
| <b>Max Head</b>           | 23 ft (7.0 m) <sup>1</sup>                      |
| <b>Max Pressure</b>       | 10 psi (0.7 bar) <sup>1</sup>                   |
| <b>Max Service Temp</b>   | 220°F (104°C)                                   |
| <b>Min Operating Temp</b> | 26°F (-3.3°C)                                   |

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

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

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



|                          | in      | cm     |
|--------------------------|---------|--------|
| <b>A</b>                 | 7-1/2   | 19.0   |
| <b>B</b>                 | 8-1/4   | 21.0   |
| <b>C</b>                 | 13      | 33.0   |
| <b>D</b>                 | 6       | 15.2   |
| <b>E</b>                 | 4-5/16  | 11.0   |
| <b>F</b>                 | 10-7/8  | 27.6   |
| <b>Mounting Holes</b>    | 1/4     | 0.64   |
| <b>Bolt Circle Diam.</b> | 6-1/8   | 15.6   |
| <b>Weight</b>            | 14.9 lb | 6.8 kg |

# Guzzler® 12 VDC Electric Pump GE-0403N

Product Model Number Nomenclature Guide

*Recommended options for use in maple sap collection*

**Example: GE-0403N-071-58-5050-PK**

- Guzzler Electric Pump
- Model style #0403N: 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
- 12 VDC 60 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 |
| Umbrella (Silicone)* | 7    |

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

GE - 0403N - 0 7 1 - 5 8 - 50 50 - PK

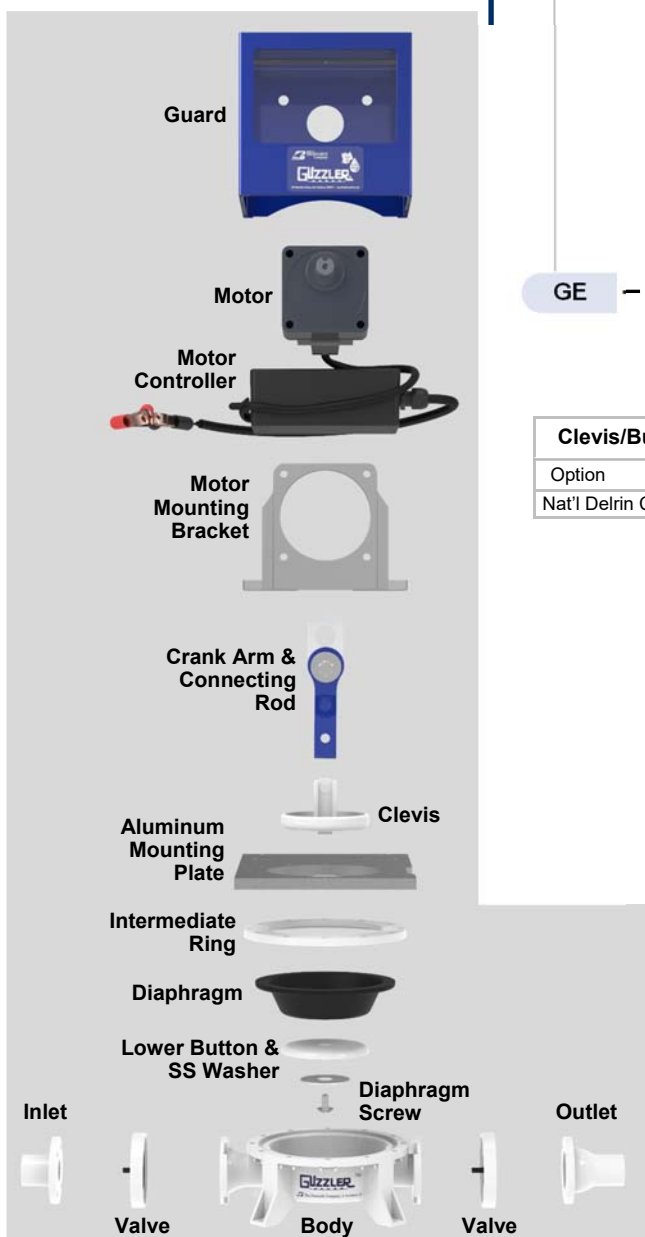
| Clevis/Button Assembly |      |
|------------------------|------|
| Option                 | Code |
| Nat'l Delrin Clevis    | 5    |

| Clamp Ring           |      |
|----------------------|------|
| Option               | Code |
| Motor Mounting Plate | 8    |

| Hose Connections  |       |        |
|-------------------|-------|--------|
| Option            | Code  |        |
|                   | Inlet | Outlet |
| 1/2" 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 |
| 60 rpm / 84 in-lbs      | PK   |

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



930 Waterman Avenue, East Providence, RI 02914  
(401) 438-1110 • fax (401) 438-2713  
toll-free (888) 438-1110 • www.thebosworthco.com

SP-GE-0403N-sp-101225