

For maple sap vacuum production on up to 400 taps



Performance

| | |
|------------------|---|
| Flow Rate | per stroke: 0.44 Qt (0.42L) |
| Max Vacuum | 28 in Hg (0.9 bar) ¹ with wet valves |
| Max Lift | 20 ft (6.1 m) ^{1,2} |
| Max Pressure | 11 psi (0.7 bar) ¹ |
| Max Head | 25 ft (7.6 m) ¹ |
| Max Service Temp | 220°F (104°C) |

¹ 72 rpm motor; umbrella valves; sap lines with minimal leaks
² with a check valve

Specifications / Options

| | |
|--------------------------|--|
| Body & Ports * | Natural (Pigment-free) Delrin / White |
| Clamp Ring | Aluminum Motor Mounting Plate |
| Valves * | Umbrella (Silicone), Duckbill** |
| Diaphragm * | Buna-N |
| Clevis/Button Assembly * | SS Washer + Aluminum Clevis |
| Motor Ambient Temp | Ambient Temp: 14°F ~ 104°F (-10°C ~ 40°C) |
| Motor Enclosure | Enclosure provides limited protection against ingress of dust and water spray. |

* in contact with fluid

** not 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

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

- Factory-tested to 22 in Hg vacuum
 - ◊ Can achieve 28 in Hg on sugar-bushes with tight sap lines & wet 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 (8.0 gpm)
- Quite-running 115 VAC 72 rpm motor
- Water-resistant motor enclosure
- Wired with on/off switch and 6' power cord
- Accommodates 1/2" – 1-1/4" hose

Valve Options

| | |
|-----------------|---|
| Duckbill | Good vacuum service. Best for transfer of fluids with some materials in suspension. |
| Umbrella | Excellent vacuum service. Best for transfer of liquids free of any materials. |

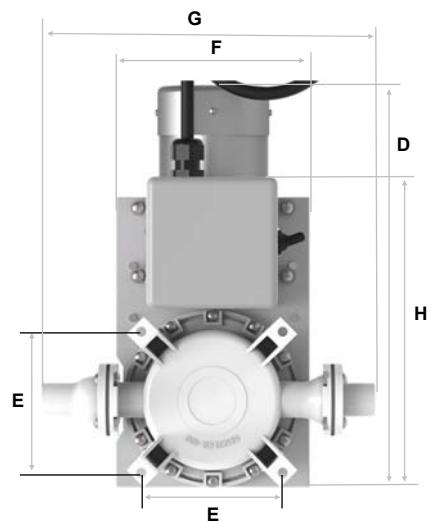
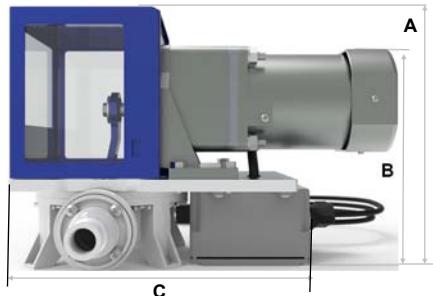
115 VAC Motor

| Pump Capacity ³ (cfm) | Motor Speed ³ (Name-plate RPM) | Full Load Torque (in-lbs.) | Input HP | Full Load Amps | Max Vacuum (in of Hg) | Max Head Pressure ⁴ (psi) | Max Head (ft) |
|----------------------------------|---|----------------------------|----------|----------------|-----------------------|--------------------------------------|---------------|
| 1.05 | 72 | 111 | 1/8 | 1.6 | 22 ⁵ | 10 | 23 |

³ at 0 lift, 0 head

⁴ Check valve recommended for lifts above 12 ft.
⁵ with dry valves; higher vacuum when valves are wet

Quiet-running, efficient 115 VAC motor available in a range of speeds and torques.



| | in | cm |
|--------------------------|---------|--------|
| A | 8-1/4 | 21.0 |
| B | 7-1/4 | 18.4 |
| C | 9-5/8 | 24.4 |
| D | 12-3/4 | 32.4 |
| E | 4-5/16 | 11.0 |
| F | 6 | 15.2 |
| G | 10-1/4 | 26.0 |
| H | 9-5/8 | 24.4 |
| Mounting Holes | 1/4 | 0.64 |
| Bolt Circle Diam. | 6-1/8 | 15.6 |
| Weight | 16.1 lb | 7.3 kg |

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Doc M-01-04-GE-0401N-SS-040921

Guzzler® 115 VAC Electric Pump

GE-0401N

Example: GE-0401N-071-48-5050-BP

- Guzzler Electric Pump
- Model style #0401N: Natural Delrin Body, Opposite Side Ports
- No Variable Speed control option
- White Buna-N Flapper Valves
- Buna-N Diaphragm
- SS Washer & Aluminum Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1" Smooth
- Outlet: 1" Smooth
- 115 VAC / 72 RPM / 111 T Motor; water-resistant motor enclosure

Guard



Motor



Motor Mounting Bracket



Crank Arm & Connecting Rod



Clevis



Aluminum Mounting Plate



Intermediate Ring



Diaphragm



Lower Button & SS Washer



Inlet



Valve



Guzzler Product

| Option | Code |
|---------------|------|
| Electric Pump | GE |

Style (Family)

| Option | Code |
|---------------------------------|-------|
| Natural Delrin, Opp. Side Ports | 0401N |

Speed Control

| Option | Code |
|--------|------|
| None | 0 |



Recommended options for use in maple sap collection

Valves

| Option | Code |
|----------------------------|----------|
| Flapper (White Buna) | 2 |
| Umbrella (Silicone) | 7 |

Diaphragm

| Option | Code |
|--------------|------|
| Buna Nitrile | 1 |
| Silicone | 7 |

GE - 0401N - 0 7 1 - 4 8 - 50 50 - BP

Clevis/Button Assembly

| Option | Code |
|-------------------------|------|
| SS Washer & Alum Clevis | 4 |

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 |

115 VAC Motors

| Speed (rpm) | Torque (in-lbs) | Code |
|-------------|-----------------|-----------|
| 30 | 118 | BD |
| 60 | 133 | BK |
| 72 | 111 | BP |
| 100 | 80 | BT |

