

**Guzzler® Sap-Puller 24 VDC Double Diaphragm Pump**

*For maple sap vacuum production on up to 900 taps*


**Specifications / Options**

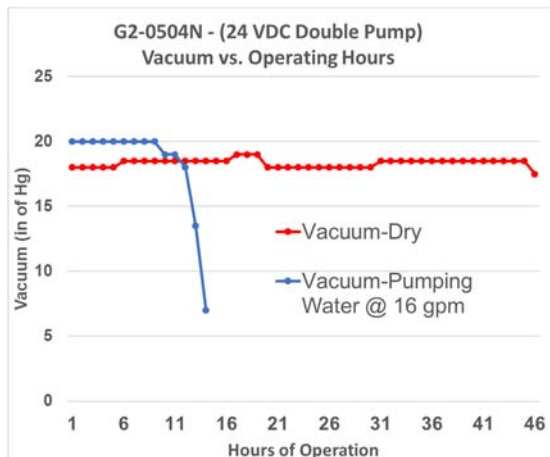
<b>Pump Body &amp; Ports*</b>	Natural (Pigment-free) Delrin / White
<b>Port Type/Size</b>	1-1/4" (3.18 cm) NPT Female (Tapped)
<b>Housing &amp; Support Leg</b>	Epoxy-coated steel (resists corrosion)
<b>Valves*</b>	Duckbill**, Umbrella
<b>Diaphragm*</b>	Buna-N
<b>Clevis, diaphragm button and screw *</b>	Natural Delrin (White) and Stainless Steel
<b>Manifolds*</b>	NSF-Potable Water approved PVC pipe

\* in contact with fluid

\*\* FDA-approved material

**Valve Options**

<b>Duckbill**</b>	Good vacuum service. Best for transfer of fluids with some materials in suspension.
<b>Umbrella</b>	Excellent vacuum service. Best for transfer of liquids free of any materials.



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

- **Factory-tested up to 20 in Hg vacuum**
  - ◇ **Can achieve up to 28 in Hg** on sugar-bushes with tight sap lines and with wetted pump valves
- **Use on up to 900 taps**
  - ◇ 2.0 cfm (16.5 gpm)
- **No releaser required**
  - ◇ Creates vacuum and transfers fluid
  - ◇ Liquid will not damage pump
  - ◇ Can run dry without damage
- **NSF-compliant (or better) materials for wetted components**
- **Compact, quiet-running 24 V Brushless DC 60-rpm motor**
  - ◇ Connecting rod bearings require no lubrication
- **Pump diaphragms easily accessible**
  - ◇ Ships with 2 spare diaphragms
- **Manifolds can point in same or opposite directions**
- **Minimum 12 hours operation on 2 12VDC 60-amp hour batteries**

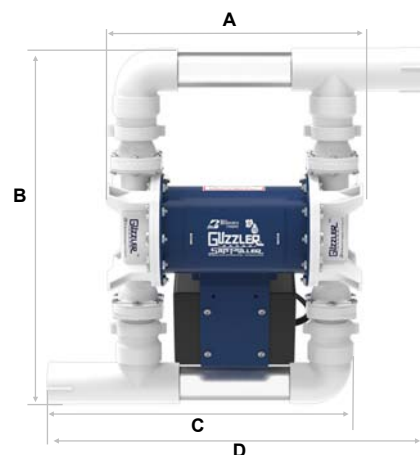
**Performance**

<b>Flow Rate</b>	per cycle: 1.10 Qt (1.0L) per min: 16.5 gpm
<b>Max Vacuum</b>	28 in Hg (0.9 bar) <sup>1</sup>
<b>Max Lift</b>	20 ft (6.1 m) <sup>1</sup>
<b>Max Pressure</b>	2 psi (0.1 bar) <sup>1</sup>
<b>Max Head</b>	4 ft (1.2 m) <sup>1</sup>
<b>Max Service Temp</b>	140°F (60°C)

<sup>1</sup> with wetted umbrella valves; on sap lines with minimal leaks

**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



	in	cm
<b>A</b>	12-1/8	30.8
<b>B</b>	17-1/2	44.5
<b>C</b>	15-1/8	38.4
<b>D</b>	18	45.7
<b>E</b>	6-1/2	16.5
<b>F</b>	7-1/2	19.1
<b>G</b>	10-5/8	27.0
<b>H</b>	11-3/16	28.4
<b>Leg Mounting Hole</b>	5/16	0.8
<b>Manifold Mounting Strap Hole</b>	3/8	1.0
<b>Weight</b>	23.5 lb	10.7 kg

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# Guzzler® 24 VDC Double Diaphragm Electric Pump

## G2-0504N

Recommended options for use in maple sap collection

## Product Model Number Nomenclature Guide

Example: G2-0504N-071-98-7171-TK

- Guzzler Electric Pump
- Model style #0504N: Natural Delrin Body, Opposite Side Ports
- Silicone Umbrella Valves
- Buna-N (FDA-approved material) Diaphragm
- Steel Crank Arm & Connecting Rod; Natural Delrin Clevis & Button
- Inlet: 1-1/4" Tapped (Female)
- Outlet: 1-1/4" Tapped (Female)
- 24 VDC / 60 RPM / 152 in-lbs Motor



Guzzler Product	
Option	Code
Double Diaphragm Electric Pump	G2

Pump Body Style	
Option	Code
Nat'l Delrin, Opp. Side Ports	0504N

Reserved	
Option	Code
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Valves	
Option	Code
Duckbill (Buna-N)	6
Umbrella (Silicone)*	7

Diaphragm	
Option	Code
Buna Nitrile*	1
Buna-N 3-Ply	2
Neoprene	3
Viton	4
EPDM	5
Silicone*	7

G2 - 0504N - 0 7 1 - 9 8 - 71 71 - TK

Clevis/Button Assembly	
Option	Code
Steel Crank Arm & Connecting Rod; Delrin Clevis	9

Reserved	
Option	Code
---	8

Hose Connections		
Option	Code	
	Inlet	Outlet
1-1/4" NPT Tapped (Female)	71	71
1-1/4" NPT Threaded (Male)	72	72

115 VAC Motors		
Speed (rpm)	Torque (in-lbs)	Code
60	152	TK

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



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