

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





### Specifications / Options

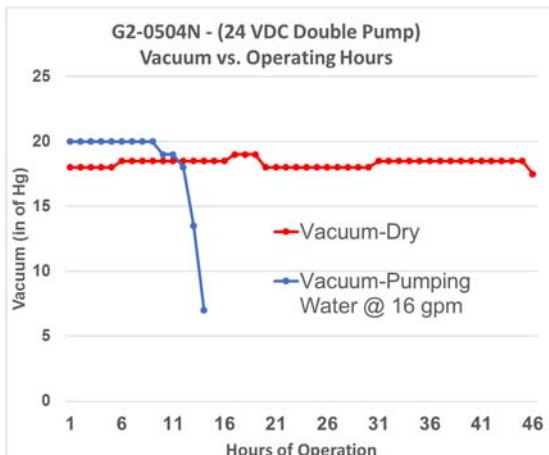
<b>Pump Body &amp; Ports*</b>	Natural (Pigment-free) Delrin / White
<b>Port Type/Size</b>	1-1/4" (3.18 cm) NPT Female (Tapped)
<b>Housing &amp; Support Leg</b>	Epoxy-coated steel (resists corrosion)
<b>Valves*</b>	Duckbill**, Umbrella
<b>Diaphragm*</b>	Buna-N
<b>Clevis, diaphragm button and screw *</b>	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 25 in Hg** on sugar-bushes with tight sap lines and with wetted pump valves
- **Use on up to 900 taps**
- **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
- **Features new SapCheck-ready Remote Control Interface**
- **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**

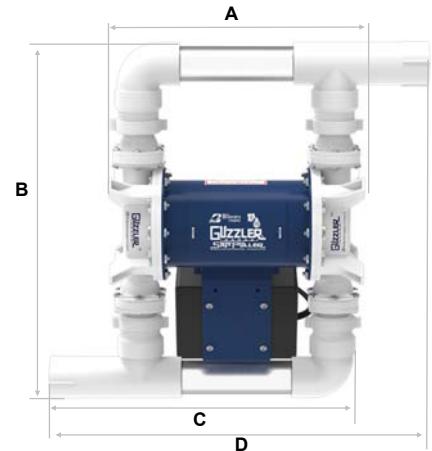
### Performance

<b>Flow Rate</b>	15 gpm <sup>1</sup>
<b>Max Vacuum</b>	28 in Hg (0.9 bar) <sup>2</sup>
<b>Max Lift</b>	20 ft (6.1 m) <sup>2</sup>
<b>Max Pressure</b>	2 psi (0.1 bar) <sup>2</sup>
<b>Max Head</b>	4 ft (1.2 m) <sup>2</sup>
<b>Max Service Temp</b>	140°F (60°C)

<sup>1</sup> transferring from/to atmospheric pressure  
<sup>2</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
A	12-1/8	30.8
B	17-1/2	44.5
C	15-1/8	38.4
D	18	45.7
E	6-1/2	16.5
F	7-1/2	19.1
G	10-5/8	27.0
H	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

# Guzzler® 24 VDC Double Diaphragm Electric Pump

## G2-0504N

*Recommended options for use in maple sap collection*



**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
<b>Umbrella (Silicone)*</b>	<b>7</b>

Diaphragm	
Option	Code
<b>Buna Nitrile*</b>	<b>1</b>
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.