

Guzzler® Sap-Puller 24 VDC Double Diaphragm Pump



For maple sap vacuum production on up to 900 taps

- 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

Specifications / Options

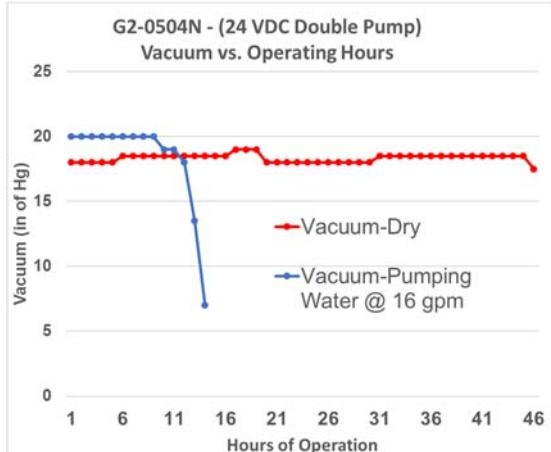
Pump Body & Ports*	Natural (Pigment-free) Delrin / White
Port Type/Size	1-1/4" (3.18 cm) NPT Female (Tapped)
Housing & Support Leg	Epoxy-coated steel (resists corrosion)
Valves*	Duckbill**, Umbrella
Diaphragm*	Buna-N
Clevis, diaphragm button and screw *	Natural Delrin (White) and Stainless Steel
Manifolds*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

* in contact with fluid

** FDA-approved material

Valve Options

	Good vacuum service. Best for transfer of fluids with some materials in suspension.
	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.

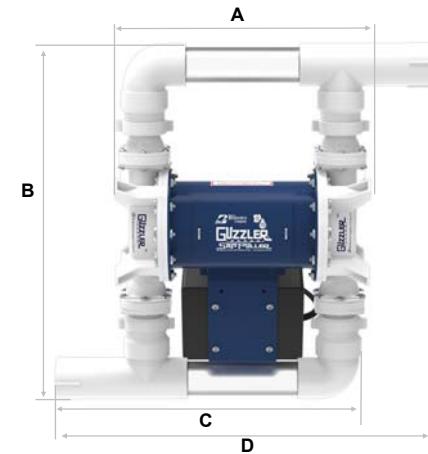
Performance

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

¹with wetted umbrella valves; on sap lines with minimal leaks

Motor Specifications

Motor Type	24VDC, Brushless DC Motor
Power	100 W (1/8 HP)
Protection	[Motor] IP65 (excluding connectors) [Driver] IP00
Speed	60 rpm
Torque	152 in-lbs
Ambient Temperature Range	0°C ~ +50°C (+32°F ~ +122°F) (non-freezing)
Max Load Amps	6.0
Weight	~7 lbs
Certifications	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
Leg Mounting Hole	5/16	0.8
Manifold Mounting Strap Hole	3/8	1.0
Weight	23.5 lb	10.7 kg

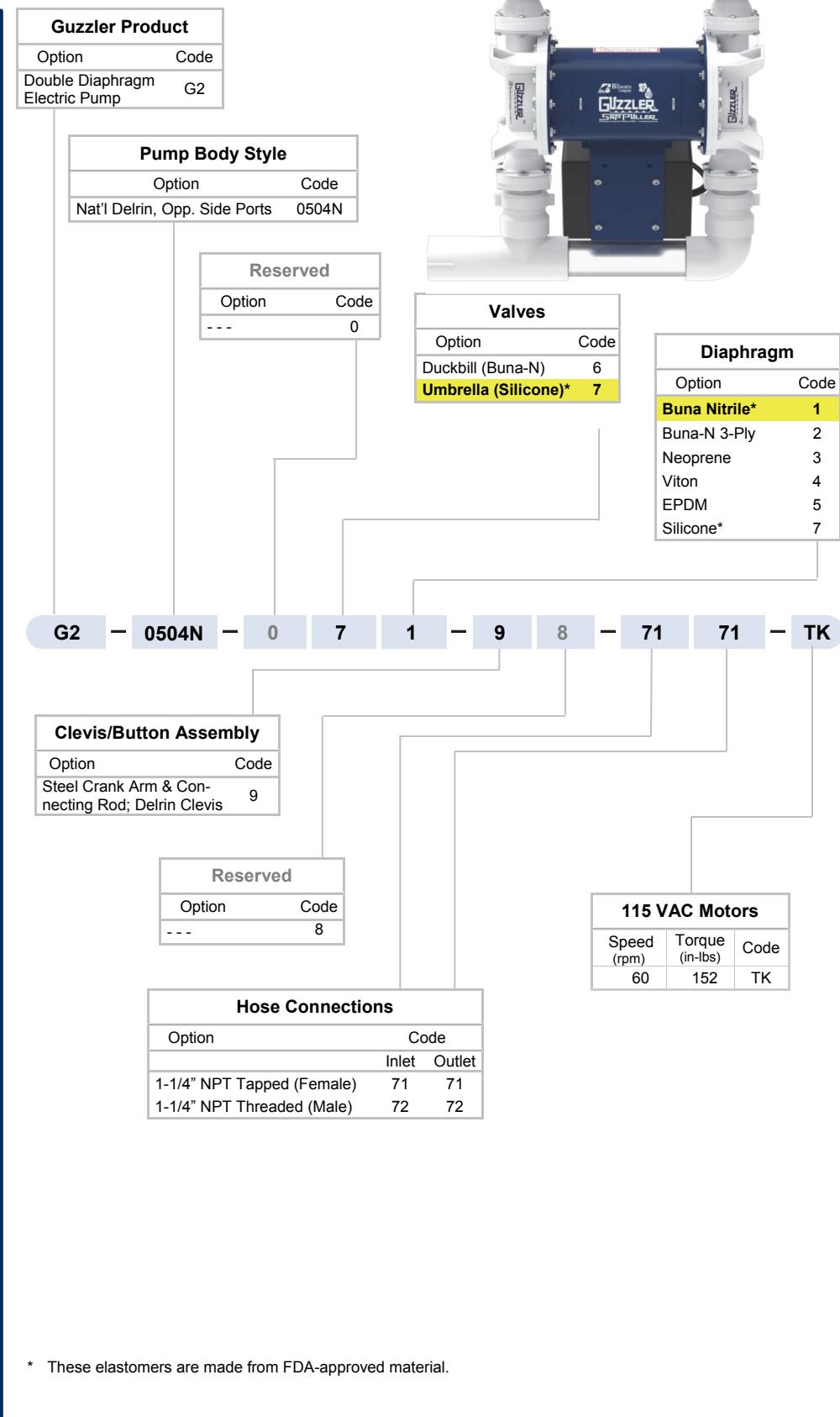
Guzzler® 24 VDC Double Diaphragm Electric Pump

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



* These elastomers are made from FDA-approved material.



**The
BOSWORTH
Company**

930 Waterman Avenue, East Providence RI 02914

Tel: 401-438-1110 Toll-free: 888-438-1110

Fax: 401-438-2713

www.thebosworthco.com