

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



- Factory-tested to 20 in Hg vacuum
- ◇ **Can achieve up to 28 in Hg vacuum on sugarbushes with tight sap lines and wetted pump 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

### Performance

Flow Rate	per stroke: 0.55 Qt (0.52L) per min: 8.3 gpm
Max Vacuum	28 in Hg (0.9 bar) <sup>1</sup>
Max Lift	20 ft (6.1 m) <sup>1</sup>
Max Pressure	11 psi (0.7 bar) <sup>1</sup>
Max Head	25 ft (7.6 m) <sup>1</sup>
Max Service Temp	220°F (104°C)

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

### 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

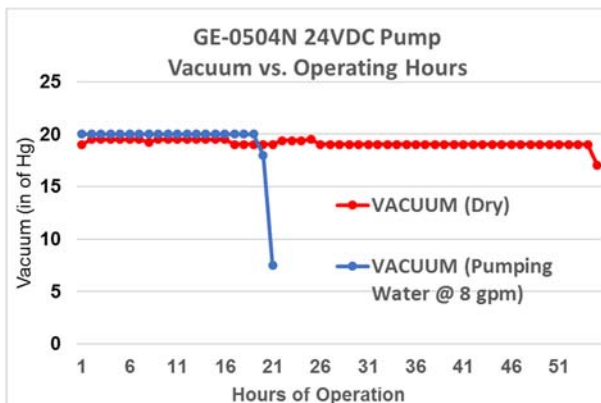
### Specifications / Options

Body & Ports *	Natural (Pigment-free) Delrin / White
Clamp Ring	Aluminum Motor Mounting Plate
Valves *	Duckbill**, Umbrella
Diaphragm *	Buna-N
Available Ports*	1-1/4" F (tapped), 1-1/2" smooth, 1-1/2" M (threaded)

\* in contact with fluid  
\*\* not FDA-approved material

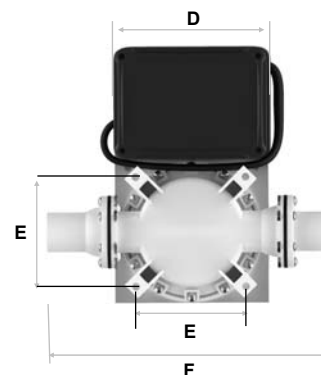
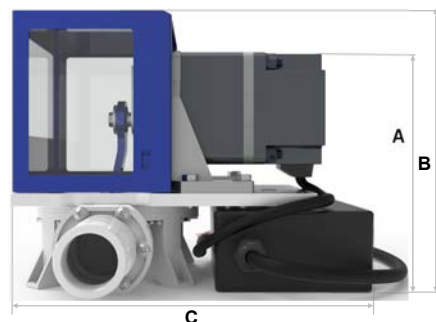
### Valve Options

<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.

Quiet-running, efficient, brushless 24 VDC motor and driver offers high performance in a compact design



	in	cm
A	7-1/4	18.4
B	8-1/4	21.0
C	10-1/2	26.7
D	6	15.2
E	4-5/16	11.0
F	10-7/8	27.6
Mounting Holes	1/4	0.64
Bolt Circle Diam.	6-1/8	15.6
Weight	13.2 lb	6.0 kg

# Guzzler® 12 VDC Electric Pump

## GE-0504N

Example: GE-0504N-071-58-8080-TK

- Guzzler Electric Pump
- Model style #0504N: Natural Delrin Body, Opposite Side Ports
- No Variable Speed control option
- Silicone Umbrella Valves
- Buna Diaphragm
- Buna Diaphragm
- Natural Delrin Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1-1/2" Smooth
- Outlet: 1-1/2" Smooth
- 24 VDC 60 RPM Motor

### Product Model Number Nomenclature Guide



Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Nat'l Delrin, Opp. Side Ports	0504N

Speed Control	
Option	Code
None	0

Valves	
Option	Code
Flapper (Buna-N)	1
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

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

Clamp Ring	
Option	Code
Motor Mounting Plate	8

Hose Connections		
Option	Code	
	Inlet	Outlet
1-1/4" NPT Tapped	71	71
1-1/2" Smooth	80	80
1-1/2" NPT Threaded	82	82
2" Smooth	90	90

24 VDC Motor	
Option (Speed / Torque)	Code
60 rpm / 152 in-lbs	TK



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