


Performance

Flow Rate	per stroke: 0.55 Qt (0.52L)
Max Vacuum	28 in Hg (0.9 bar) ¹
Max Lift	20 ft (6.1 m) 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 with wetted umbrella valves; on 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, Duckbill**
Diaphragm *	Buna-N, Silicone (both FDA-approved materials)
Clevis/Button Assembly *	Natural Delrin
Motor Ambient Temp	Ambient Temp: 14°F ~ 104°F (-10°C ~ 40°C)
Motor Enclosure	Provides limited protection against ingress of dust and water spray.

* in contact with fluid

** not FDA-approved material

Available Ports

	in	1-1/4	1-1/2	2
	cm	3.18	3.81	5.08
Hose (Smooth)		S		•
NPT Female (Tapped)	•			
NPT Male (Threaded)			•	

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

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 with 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

- 1.0 cfm (8.0 gpm)

- Quiet-running 115 VAC 72 rpm motor

- Water-resistant motor enclosure

- Wired with on/off switch and 6' power cord

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

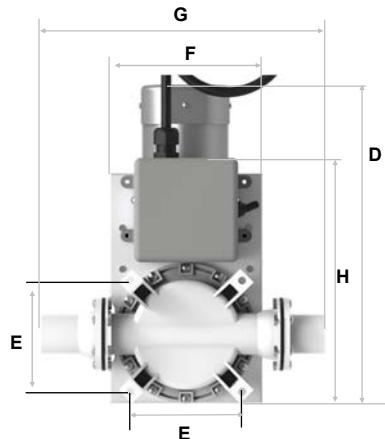
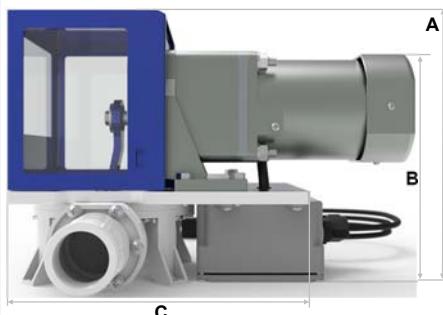
Pump Capacity ³ (cfm)	Motor Speed ³ (Name-plate RPM)	Full Load Torque (in-lbs.)	Input HP	Full Load Amps	Max Vacuum (in of Hg) ⁵	Max Head Pressure ⁴ (psi)	Max Head (ft)
1.05	72	111	1/8	1.6	22	11	25

³ at 0 lift, 0 head

⁴ Check valve recommended for lifts above 12 ft.

⁵ Assuming dry valves. Higher vacuum possible 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	10-7/8	27.6
H	9-5/8	24.4
Mounting Holes	1/4	0.64
Bolt Circle Diam.	6-1/8	15.6
Weight	16.4 lb	7.4 kg

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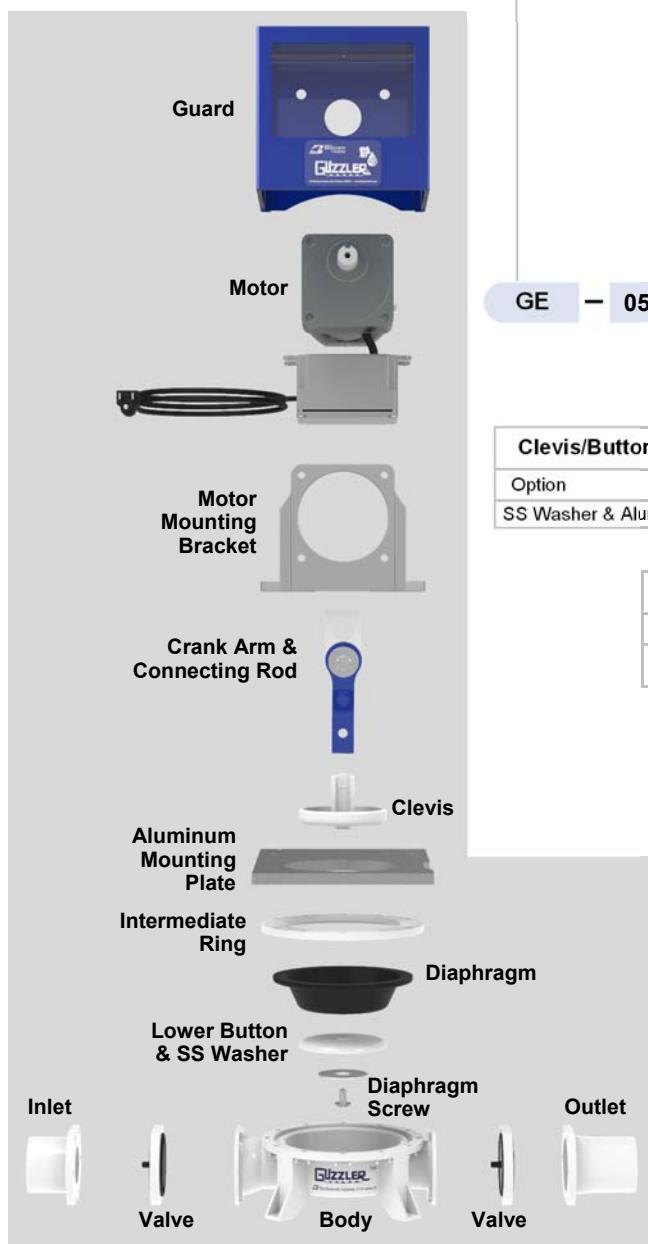


Guzzler® 115 VAC Electric Pump

GE-0501N

Example: GE-0501N-071-48-8080-BP

Product Model Number Nomenclature Guide



Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Nat'l Delrin, Opp. Side Ports	0501N

Speed Control	
Option	Code
None	0



Recommended options for use in maple sap collection

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

GE - 0501N - 0 7 1 - 4 8 - 80 80 - BP

Clevis/Button Assembly	
Option	Code
SS Washer & Alum Clevis	4

Clamp Ring	
Option	Code
Motor Mounting Plate	8

Hose Connections		
Option	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

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

* These elastomers are made from FDA-approved material.



The
BOSWORTH
Company

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