

Can be used to create vacuum for maple sap collection



- Creates up to 22 in Hg vacuum
- No separator required
 - ◇ Creates vacuum and transfers fluid
- Wetted components made of FDA-approved materials
- 0.5 cfm – 1.8 cfm (4.1 – 13.8 gpm)
- Quiet-running 115 VAC motor with optional speeds from 30, 60, 72 or 100 RPM
- Water-resistant motor enclosure
- Wired with on/off switch and 6' power cord
- Accommodates 1-1/4" – 2" hose"

Performance

Flow Rate	per stroke: 0.55 Qt (0.52L)
Max Vacuum	22 in Hg (0.7 bar) ¹
Max Lift	20 ft (6.1 m) ^{1,2}
Max Pressure	15 psi (1.0 bar) ¹
Max Head	25 ft (7.6 m) ¹
Max Service Temp	220°F (104°C)

¹ depending on choice of motor and valves

² with a check valve

Specifications / Options

Body & Ports *	Natural (Pigment-free) Delrin / White
Clamp Ring	Aluminum Motor Mounting Plate
Valves *	Flapper**, Duckbill**, Umbrella
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

Recommended valve for maple sap collection

Valve Options

Flapper**	Duckbill**	Umbrella
 General purpose liquid transfer	 For dirty liquid and sewage	 Clear liquids
For vertical pump mounts, inlet must be below outlet	Good vacuum service	Best vacuum service
	Mount pump in any position	Mount pump in any position

Recommended motor for maple sap collection

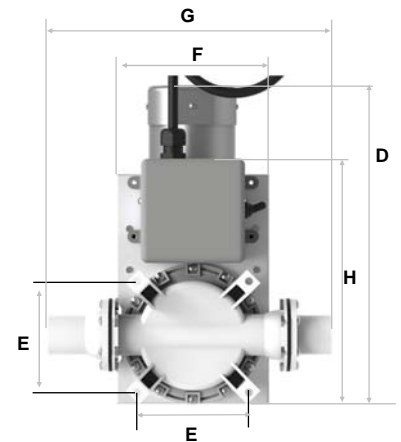
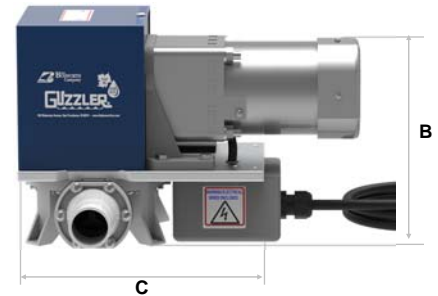
Available 115 VAC Motors & Performance

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)	Max Head Pressure ⁴ (psi)	Max Head (ft)
0.5	30	118	1/19	1.4	22	15	25
1.1	60	133	1/8	1.6	22	15	25
1.3	72	111	1/8	1.6	22	15	25
1.8	100	80	1/8	1.6	18	7	16

³ at 0 lift, 0 head

⁴ Check valve recommended for lifts above 12 ft.

Quiet-running, efficient 115 VAC motor available in a range of speeds and torques.



	in	cm
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

Guzzler® 115 VAC Electric Pump GE-0501N

Product Model Number Nomenclature Guide



Example: GE-0501N-071-58-8080-BP

Recommended options for use in maple sap collection

- Guzzler Electric Pump
- Model style #0501N: Natural Delrin Body, Opposite Side Ports
- Silicone Umbrella Valves
- Buna-N (FDA –approved material) Diaphragm
- Natural Delrin Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1-1/2" Smooth (Nat'l Delrin)
- Outlet: 1-1/2" Smooth (Nat'l Delrin)
- 115 VAC / 72 RPM / 111 T Motor; water-resistant motor enclosure

Guzzler Product	
Option	Code
Electric Pump	GE

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

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

GE - 0501N - 0 7 1 - 5 8 - 80 80 - BP

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

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.



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