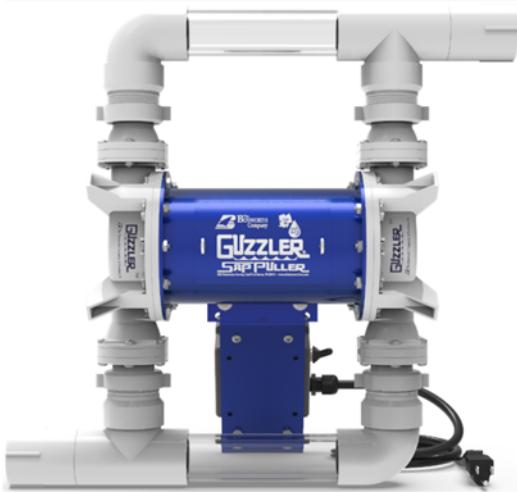


Guzzler® Sap-Puller Double Diaphragm Pump

For maple sap vacuum production on up to 900 taps



Performance

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

¹ with wetted umbrella valves; on sugarbushes with tight lines

Specifications / Options

Pump Body & Ports*	Natural (Pigment-free) Delrin / White
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
Motor Enclosure	Enclosure provides protection against ingress of dust and water spray from all directions
Motor Ambient Temp	Ambient Temp: 14°F ~ 104°F (-10°C ~ 40°C)

* in contact with fluid

** FDA-approved material

Available Ports

in	1-1/4
cm	3.18
NPT Female (Tapped)	S
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

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

- Use on up to 900 taps
 - ◊ 2.0 cfm (16.0 gpm)

- No releaser required
 - ◊ Creates vacuum and transfers fluid
 - ◊ Liquid will not damage pump
 - ◊ Can run dry without damage

- Wetted components made of NSF-compliant (or better) materials

- Quiet-running 115 VAC 72 rpm motor
 - ◊ Features water-resistant motor enclosure

- Connecting rod bearings require no lubrication

- Pump diaphragms easily accessible by removing pump bodies from housing

- Input/output manifolds can be oriented to point in same or opposite directions

- 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.

Available 115 VAC Motors & Performance

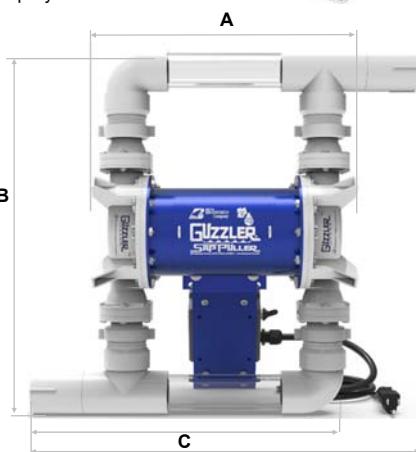
Pump Capacity ³ (cfm)	Motor Speed ³ (Name-plate RPM)	Full Load Torque (in-lbs.)	Input HP	Full Load Amps	Max Vacuum (in of Hg)	Max Head Pressure ⁴ (psi)	Max Head (ft)
2.0	72	111	1/8	1.6	22	2	4

³ at 0 lift, 0 head

⁴ Check valve recommended for lifts above 12 ft.

⁵ Motor Enclosure Rating:
P3: Protection against dust and from water spray in all directions

Quiet-running 115 VAC motor used for the G2-0501N pump features a dust and water-resistant enclosure that provides protection against water spray in all directions.



	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	9	22.9
F	11-1/4	28.6
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® and Sea-lect® are trademarks of The Bosworth Company.



Guzzler® 115 VAC Double Diaphragm Electric Pump

G2-0501N

Recommended options for use in maple sap collection

Example: G2-0501N-071-98-7171-BP

- Guzzler Electric Pump
- Model style #0501N: 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)
- 115 VAC / 72 RPM / 111 T Motor; water-resistant motor enclosure

Guzzler Product

Option	Code
Double Diaphragm Electric Pump	GE

Pump Body Style

Option	Code
Nat'l Delrin, Opp. Side Ports	0501N

Reserved

Option	Code
---	0



Valves

Option	Code
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

G2 - 0501N - 0 7 1 - 9 8 - 71 71 - BP

Clevis/Button Assembly

Option	Code
Steel Crank Arm & Connecting Rod; Delrin Clevis	9

Reserved

Option	Code
---	8

Hose Connections

Option	Inlet	Outlet	Code
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
30	118	BD
60	133	BK
72	111	BP
100	80	BT

* 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

Doc M-2-04-G2-0501N-SS-042321