

Guzzler® Sap-Puller Double Diaphragm Pump

For maple sap vacuum production on up to 900 taps



Performance

Flow Rate	15 gpm ¹
Max Vacuum	29 in Hg (1.0 bar) ²
Max Lift	20 ft (6.1 m) ²
Max Pressure	10 psi (0.7bar) ²
Max Head	23 ft (7.0 m) ²
Max Service Temp	140°F (60°C)

¹ transferring from/to atmospheric pressure

² with wetted umbrella valves; on sugarbushes with tight lines

Specifications / Options

Pump Body & Ports ¹	Natural (Pigment-free) Delrin / White ²
Housing & Support Leg	Epoxy-coated steel (resists corrosion)
Valves ¹	Duckbill, Umbrella ²
Diaphragm ¹	Buna-N ² , Santoprene ²
Clevis, diaphragm button and screw ¹	Natural Delrin (White) ² and Stainless Steel ²
Manifolds ¹	NSF-Potable Water approved PVC pipe ³ ; Standard or "T"-manifold
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)

¹ in contact with fluid ² FDA-approved material

³ NSF-61 compliant

Available Ports

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

S Standard • Optional

- **Up to 29 in Hg vacuum with wet pump valves**
 - ◇ Dry valves: 20 in Hg

- **Use on up to 900 taps**

- **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**
 - ◇ Ships with two spare diaphragms

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

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

Optional "T"-Manifold



- Remove plug at end of season to facilitate cleaning
- Use on inlet & remove plug to connect pump to separate mainlines

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. Made from FDA-approved silicone.

Available 115 VAC Motors & Performance

Pump Capacity ² (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	29	10	23

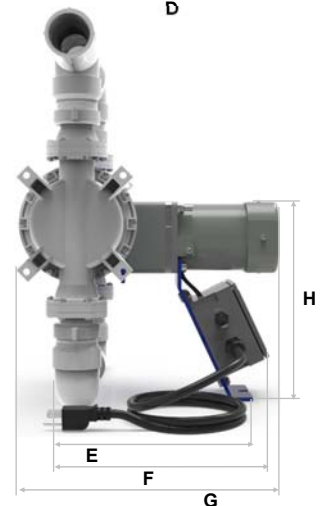
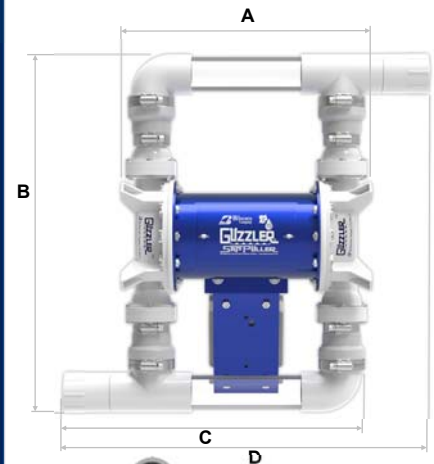
³ at 0 lift, 0 head

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® 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	G2

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

Reserved	
Option	Code
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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
Santoprene*	8

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	Code	
	Inlet	Outlet
1-1/4" NPT Tapped (Female)	71	71
1-1/4" NPT Threaded (Male)	72	72
1-1/4" NPT Tapped (F) "T-Manifold"	7T	7T

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.