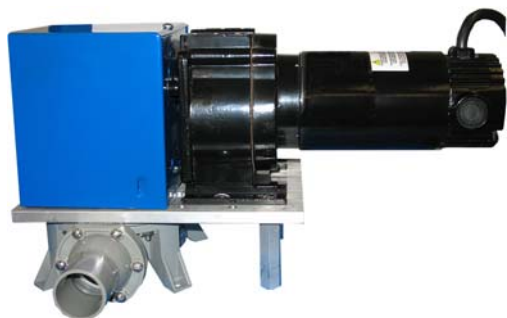


Guzzler® 12 VDC Electric Pump GE-0503D



- **Maximum vacuum: 22 in Hg**
- **3.2 – 12.9 GPM (0.4 – 1.7 cfm)**
- **Features 12 VDC motor with optional speeds from 23 – 94 RPM**
- **Accommodates 1-1/4" – 2" hose**
- **Large flange sizes suitable for sanitation applications**

Specifications / Options

Body & Ports *	Acetal (POM) Copolymer / Gray
Clamp Ring	Aluminum Motor Mounting Plate
Valves *	Flapper, Duckbill, Umbrella
Diaphragm *	Buna-N, Buna-N Double Sided, Neoprene, Viton, EPDM, Silicone
Clevis/Button Assembly *	Acetal
Motor	12 VDC, 1/6 HP

* in contact with fluid

Available 12 VDC Motors & Performance

Pump Flow Rate ³ (GPM)	Motor Speed ³ (Name-plate RPM)	Full Load Torque (In-Lbs.)	Input HP	Full Load Amps	Max Pressure (psi)	Max Lift ⁴ (ft)	Max Head (ft)
3.2	23	280	1/6	9.4	15	20	25
4.3	31	278	1/6	14.0	15	20	25
6.9	50	183	1/6	14.0	15	20	25
8.8	64	150	1/6	14.0	15	20	25
12.9	94	102	1/6	14.0	7	16	16

³ at 0 lift, 0 head

⁴ Check valve recommended for lifts above 12 ft.

Performance

Flow Rate	per stroke: 0.55 Qt (0.52L)
Max Lift	20 ft (6.1 m) ^{1,2}
Max Head	25 ft (7.6 m) ¹
Max Pressure	15 psi (1.0 bar) ¹
Max Vacuum	22 in Hg (0.7 bar) ¹
Max Service Temp	212°F (100°C)

¹ depending on choice of motor

² with a check valve

Valve Options

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

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

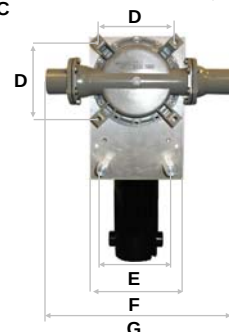
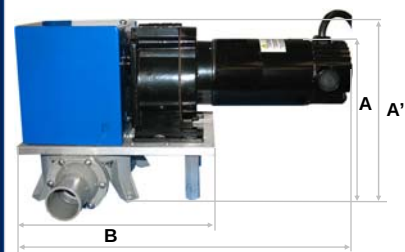
Motor Specifications

Motor Type	12 VDC, Permanent Magnet
Enclosure	Total Enclosed Non-ventilated
Brushes	Externally replaceable
Rotation	Reversible
Ambient	40°
Thermal Protection	None
Lubrication	Permanent Heavy Fluid Gear Oil
Gears	Hardened Steel
Weight	~12 lbs
Certifications	UL Recognized (E47479)



Note: Motor requires additional support for proper balance during operation.

Pump shown above with optional motor support bracket. (Part # BR-01.)



	in	cm
A	7-1/2	19.1
A'	8-1/4	21.0
B	9	22.9
C	15-1/4	38.7
D	4-5/16	11.0
E	4	10.2
F	6	15.2
G	11	27.9
Mounting Holes	1/4	0.64
Bolt Circle Diam.	6-1/8	15.6
Weight	15.0 lb	6.8 kg

Guzzler® 12 VDC Electric Pump

GE-0503D

Product Model Number Nomenclature Guide



Example: GE-0503D-011-18-8080-PL

- Guzzler Electric Pump
- Model style #0503D: Acetal Body, Opposite Side Ports
- No Variable Speed control option
- Buna-N Flapper Valves
- Buna Diaphragm
- Acetal Clevis
- Motor Mounting Plate Clamp Ring
- Inlet: 1-1/2" Smooth
- Outlet: 1-1/2" Smooth
- 12 VDC 64 RPM Motor

Guzzler Product	
Option	Code
Electric Pump	GE

Style (Family)	
Option	Code
Acetal, Opp. Side Ports	0503D

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 - 0503D - 0 1 1 - 1 8 - 80 80 - PL

Clevis/Button Assembly	
Option	Code
Acetal Clevis	1

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

12 VDC Motor	
Option (Speed / Torque)	Code
23 rpm / 280 in-lbs	PC
31 rpm / 278 in-lbs	PE
50 rpm / 183 in-lbs	PG
64 rpm / 150 in-lbs	PL
94 rpm / 102 in-lbs	PS
No Motor	00



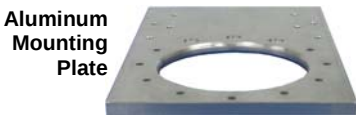
Motor



Crank Arm & Connecting Rod Assembly



Guard



Aluminum Mounting Plate



Clevis/Button



Diaphragm



Button & SS Washer



Valve

Valve



Inlet

Outlet

Body



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