

# Aquatec Solar Water Pumping Series

**Made in the USA**

Quality, Innovation and Service

*25 years designing and manufacturing the highest quality and most dependable electric diaphragm pumps*

Introducing  
Innovative Design  
Features



Field Serviceable

## Aquatec SWP-4000 Submersible 4" Deep Well Diaphragm Pump

- Potable Water Safe
- Fits into a Well Casing (Borehole) 4 Inches in Diameter or Larger.
- Protected from Moisture Intrusion by Double O-ring Seals and Anti-Wicking Factory Installed 36 Inch Motor Leads.
- Capable of Pumping Water from Depths of up to 230 feet (70 Meters).
- Designed to Operate from Any 12-30 VDC Power Source, Including 72 Cell Series Arrays, 60 or 72 Cell Modules or 12 or 24VDC Battery Banks.
- Corrosion Resistant Stainless Steel Shell Construction.
- Dual-Size Stainless Steel Outlet Nipple Fits 1/2" Hose Barb Tubing (0.50 Inch ID) or 1/2" Poly Pipe (0.62 Inch ID).
- Built-in 50 Mesh Stainless Steel Screen Prevents Debris Intrusion.

Water Pressure  
When You Need  
It!



Field Serviceable

## Aquatec 550 Series Surface Booster/Delivery Diaphragm Pump

- Potable Water Safe
- Capable of Open Flow up to 5 GPM (19 LPM) and Pressures up to 60 PSI (4 Bar).
- Built-In Pressure Switch for Automatic Demand Operation.
- Self-Priming from 10 Feet Vertical and Capable of Running Dry
- Can be Mounted in Any Position.
- Heavy Duty Double Bearing Motor.
- Available in Either 12Vdc, 24Vdc, 115Vac, or 230Vac.
- Easy to Install Swivel 1/2" or 3/4" Hose Barb Fittings (available separately)

www.aquatec.com

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## About Aquatec

Founded in 1988, and headquartered in Irvine California, Aquatec remains committed to manufacturing excellence by adhering to stringent production standards and rigorous QA procedures. Aquatec products are globally distributed throughout several industries including solar water pumping.

The Solar Water Pumping Series is available through OEM and distribution partners. Please contact Aquatec at (949) 225-2200 for additional details.

## Aquatec SWP-4000 Submersible Pump Performance

Pressure		Flow @ 12 Vdc			Flow @ 24 Vdc			Flow @ 30 Vdc		
FT. HEAD	PSI	GPM	LPM	AMPS	GPM	LPM	AMPS	GPM	LPM	AMPS
20	9	0.62	2.35	1.3	1.35	5.11	1.3	1.70	6.44	1.40
40	17	0.60	2.27	1.6	1.32	5.00	1.6	1.65	6.25	1.70
60	26	0.58	2.20	1.8	1.28	4.84	1.8	1.60	6.06	1.90
80	35	0.57	2.15	2.0	1.25	4.73	2.0	1.55	5.87	2.10
100	43	0.56	2.12	2.3	1.22	4.62	2.3	1.50	5.68	2.40
120	52	0.53	2.00	2.5	1.20	4.54	2.5	1.48	5.60	2.60
140	61	0.52	1.97	2.6	1.15	4.35	2.6	1.42	5.37	2.80
160	69	0.51	1.93	2.8	1.12	4.24	2.8	1.40	5.30	3.00
180	78	0.49	1.85	3.1	1.08	4.09	3.1	1.35	5.11	3.20
200	87	0.48	1.82	3.3	1.06	4.01	3.3	1.30	4.92	3.40
230	100	0.43	1.63	3.5	1.00	3.79	3.5	1.25	4.73	3.70



## Aquatec 550 Series Booster Pump Performance

Model	Voltage	Flow GPM	Flow LPM	Pressure PSI	Current AMPS
5503-1E01-B636	12 VDC	4.10	15.52	30	11.00
		3.80	14.38	40	13.00
		3.55	13.44	50	14.60
5503-1E01-B736	24 VDC	4.10	15.52	30	5.50
		3.80	14.38	40	6.50
		3.55	13.44	50	7.30
5503-1E01-B656	115 VAC	4.10	15.52	30	1.40
		3.80	14.38	40	1.60
		3.55	13.44	50	1.80
25-181	High flow 50 mesh in-line strainer for 550 Series				
QTS-556	1/2" NPT male pipe fitting, straight.				
QBE-554	1/2" hose barb fitting, straight.				
QBS-554	1/2" hose barb fitting, 90° elbow				



**aquatec**  
ISO 9001:2008

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Aquatec solar water pumping products meet agency requirements and are ROHS compliant.

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