



Celebrating 30 Years of Solar Water Pumping

Dankoff Solar Surface Pump Line

www.dankoffsolarpumps.com



Solar SlowPump

Output: 0.2 – 6.2 GPM (0.75 – 23 LPM)

Max Total Dynamic Head (TDH): 560 ft. (170m)

Suction Capacity: 20 vertical feet (6 m) at sea level. Subtract 1ft. for every 1000ft. altitude (1 m for every 1000 m)

Weight: 12 – 29lbs (5-13kg) – Dependent on model

Notes: MUST be filtered clean (reference spec. sheet); 15 – 20 year life expectancy

Warranty: 1 year against defects in materials and workmanship



Flowlight Booster Pump

Output: 3 – 5 GPM (11-19 LPM) **Total Dynamic Head (TDH):** 65 PSI (4.6 kg/sq cm)

Suction Capacity: Low Speed model: 20 vertical feet (6 m) at sea level.

Subtract 1 ft. for every 1,000 ft. altitude (1 m for every 1,000 m)

Standard model: 10 vertical feet (3 m) at sea level. Subtract 1 ft. for every 1,000 ft. altitude (1 m for every 1,000 m)

Weight: 15 lbs (7 kg)

Notes: MUST be filtered clean (reference spec. sheet); 15 – 20 year life expectancy

Warranty: 1 year against defects in materials and workmanship



SunCentric

Output: 5 – 70 GPM (19 – 265 LPM)

Total Dynamic Head (TDH): Up to 90 ft. (27m)

Suction Capacity: 10 vertical feet (3m) at sea level. Subtract 1ft. for every 1000ft. altitude (1 m for every 1000 m)

Weight: 49 – 70 lbs (23-32 kg) depending on the model

Notes: Does not require filtration – tolerant of dirt; NOT for pressurized applications; no routine maintenance required

Warranty: 2 years against defects in materials and workmanship



Solar Force Piston Pump

Output: 5 – 9 GPM (19 – 34 LPM)

Total Dynamic Head (TDH): Up to 230 ft. (70m) or 100 PSI (6.7 kg/sq cm)

Suction Capacity: 25 vertical feet (7.6m) at sea level. Subtract 1ft. for every 1000ft. altitude (1 m for every 1000 m)

Weight: 115 lbs (53 kg)

Notes: 20-year life expectancy with 5-10 year maintenance intervals; Tolerant of dirt and dry run

Warranty: 2 years against defects in materials and workmanship



Solaram Surface Pump

Output: 2.5 – 9 GPM (11 – 34 LPM)

Total Dynamic Head (TDH): Up to 960 ft. (292m)

Suction Capacity: 25 vertical feet (7.6 m) at sea level. Subtract 1 ft. for every 1,000 ft. altitude (1 m for every 1,000 m)

Weight: 150 lbs (68 kg)

Notes: Great for high-lift applications; 20 year life expectancy; Tolerant of dirt and dry run

Warranty: 1 year against defects in materials and workmanship



Pump Features Matrix



Feature / Capability	SlowPump	Flowlight Booster	SunCentric	Solar Force Piston Pump	Solararam
Dirty-Water Tolerance	No	No	Yes	Yes	Yes
Dry-Run Tolerance *short intervals only	No	No	High Temp: Yes Standard Temp: No	Yes	Yes
Intended for Pressure Applications	Yes	Yes	No	Yes	Yes
Pump Controller *if/when solar-direct model available	Yes	No	No	Yes	Yes
Max Flow per Hour	372gal (1408 ltr)	270gal (1022 ltr)	4200gal (15898 ltr)	558gal (2112 ltr)	564gal (2135 ltr)
Max Suction Lift *at Sea Level	20ft (6m)	Standard Speed (2920): 10ft (3m) Low Speed (2910): 20ft (6m) Heavy Duty (2930): 20ft (6m)	10ft (3m)	25ft (7.6m)	25ft (7.6m)
Max Total Dynamic Head (TDH)	560ft (170m)	150ft (46m)	90ft (27m)	230ft (70m)	1000ft (305m)
Expressed in Vertical Distance	242psi (16.7 bar)	65psi (4.5 bar)	39psi (2.7 bar)	100psi (6.8 bar)	433psi (30 bar)
Expressed in Pressure	Yes	Yes	Yes	No	No
High-Temp Upgrade Option	Yes	Yes	No	Yes	No
Stainless Steel Upgrade Option	1 Year	1 Year	2 Years	2 Years	1 Year
Warranty *against defects in materials & workmanship	Consistent filter changes Large Parts Replacement: 7-10 years	Consistent filter changes Large Parts Replacement: 7-10 years	Small Parts Replacement: 5-7 years	Light Maintenance: Every year Large Parts Replacement: 7-10 years	Light Maintenance: Every year Large Parts Replacement: 7-10 years
Maintenance	15-20 Years	15-20 Years	15-20 Years	20 Years	20 Years
Life Expectancy *with proper installation & maintenance	12-29lbs (5-13kg)	15lbs (7kg)	49-70lbs (23-32kg)	115lbs (53kg)	150lbs (68kg)
Weight					



Comparison of Pumps

1000ft

