

Reliant Solar Water Pump™

MODEL 102: MOST POWERFUL HIGHER FLOW, RUGGED, DEPENDABLE

Best for stock watering, tanks, heavy farm applications, sludge

TECHNICAL SPECS.

- Flow range: Up to 2.7 U.S. gal. per min. (10.0 lpm)
- Operational depth: Up to 170 ft. (51.8 m.) at static water levels
- Well-casing size: Minimum 3 inches
- Motor size: ¼ hp



Model 102 is the heavy-duty option in the Reliant Solar Water Pump™ line.

It is designed for a broad range of jobs in remote and rural areas, powered by solar panels.

The 102 maintains a virtually steady flow of 2.7 gallon per minute to 170 feet and can push water into pressure tanks at 60 psi.

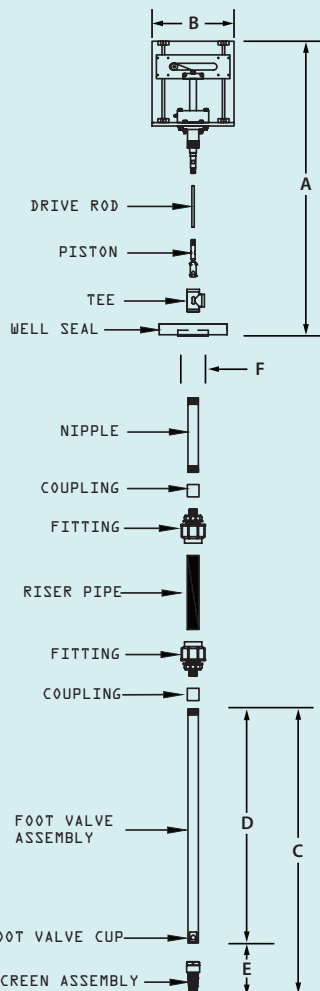
The sturdy 102 is a reciprocating-rod piston pump, driven by a simple

linear-rod motor with few moving parts.

Pump materials of construction include steel, machined aluminum and hardened polymers that withstand extreme heat and cold.

The lightweight, 50-pound motor is mounted at ground level, above the wellhead, for easy installation and maintenance.

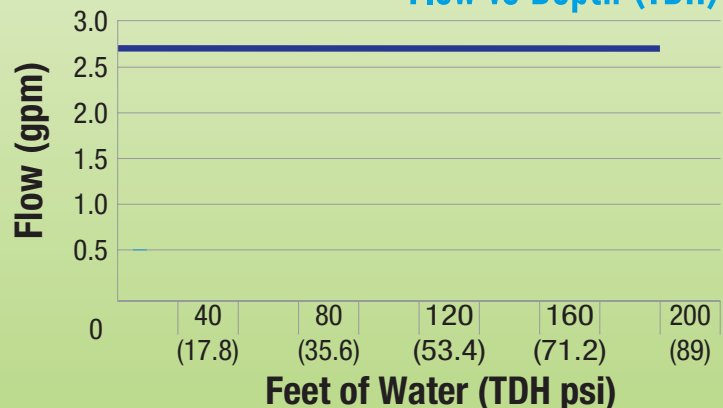
No controller is needed. Made in the U.S.A.



DIMENSIONS (IN INCHES)

A	Above Well Height	29.5
B	Driver Width	12
C	Foot Valve Assembly Length	44
D	Foot Valve Length	38
E	Intake Screen Length	6
F	Downhole Diameter	2.9

Flow vs Depth (TDH)



Reliant Solar Water Pump™

A typical Reliant pumping system includes dependable motor, panel & downhole pump



Motor and panel offer a low profile and are easily accessible.

Visit www.artisanpumpco.com for a complete line of water-pump accessories.

Dependable Water... Wherever You Are

Performance Data

Operating Depth	170 ft. (51.8 m)
Flow Range	Up to 2.7 gpm (10.23 lpm); 3,880 gpd (14,731 lpd)
Motor	¼ hp linear drive, above well
Max. Discharge Pressure	73 psig
Maximum Lift	170 ft (51.8 m) of water or 73 psi

Technical Data

Max. External Diameter	2.9 in. (7.37 cm)
Connection to Riser Pipe	2 in. (5.08 cm)
Connection to Sucker Rod	7/16 in. - 20 in
Recommended Internal Bore Hole Diameter	3 to 4 in. (7.62 to 10.16 cm) or greater
Discharge Size	2 in. (5.08 cm.) NPT
Installation	Any angle from vertical to horizontal
Driver Weight	50 lbs (22.68 kg)
Driver Rod Weight	12 lbs. per 100 feet (3.7 kg per 100 m)
Foot Valve Assembly Weight	17 lb. (7.71 kg)
Min. Well Casing Size	3 in. (7.62 cm)

Available Options

- Auto lubricator
- Oil-cartridge replacement kit
- Solar charge controller
- Relief valve
- Flow meter
- On-off timer

