

Reliant Solar Water Pump™

**MODEL 101: BEST VALUE
DEEP WELLS, LONG UPHILL PUSH**

TECHNICAL SPECS.

- Operational depth: Up to 400 ft. (122 m.) at static water levels
- Flow range: Up to 1.1 U.S. gal. per min. (4.16 lpm)
- Well-casing size: Minimum 2 inches
- Motor size: ¼ hp



For farm uses, pond, garden self-sufficiency, off-grid

Model 101 is the everyday workhorse of 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 101 maintains a virtually steady flow of 1 gallon per minute to 400 feet and can push water into pressure tanks at 60 psi at 300 feet.

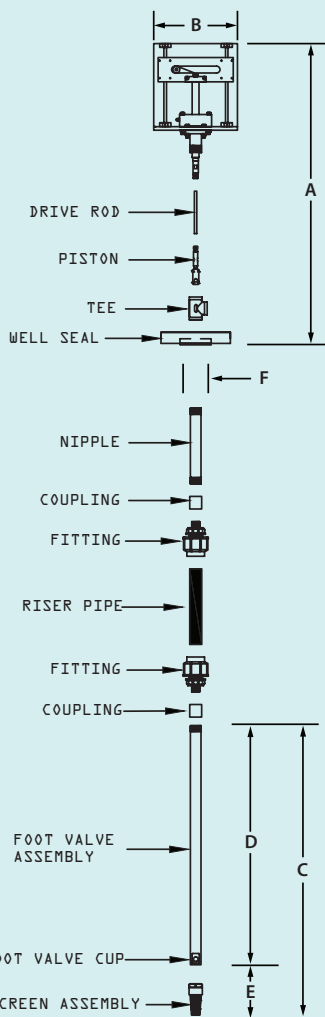
The sturdy Reliant is a reciprocating-rod piston pump, driven by a simple

linear-rod motor with few moving parts.

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

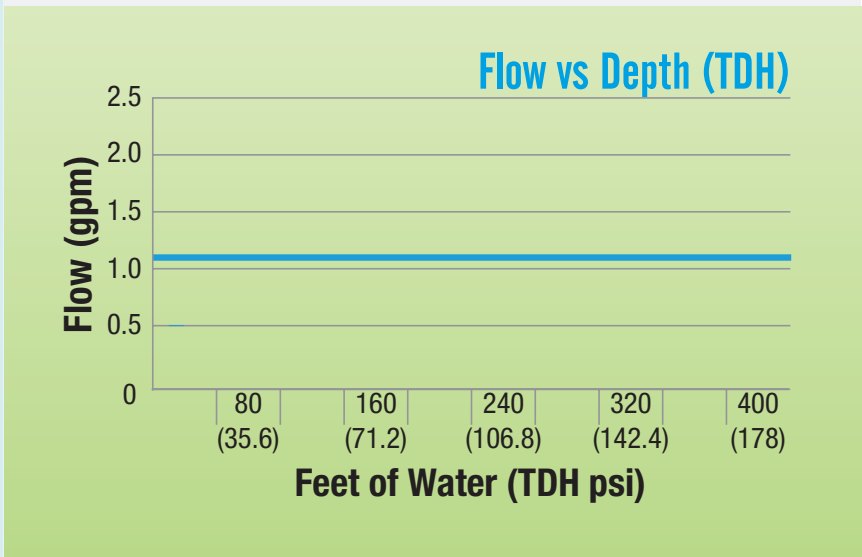
The lightweight, 50-pound motor is mounted at ground level, above the wellhead, for easy installation and maintenance.

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	1.9



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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	400 ft. (122 m.)
Flow Range	Up to 1.1 gpm (4.16 lpm) 1,584 gpd (5,990 lpd)
Motor	¼ hp linear drive, above well
Max. Discharge Pressure	170 psig
Maximum Lift	400 ft of water or 170 psig

Technical Data

Max. External Diameter	1.9 in. (4.85 cm)
Connection To Riser Pipe	1.25 in. (3.18 cm)
Connection To Sucker Rod	7/16 in. - 20 in.
Recommended Internal Bore-Hole Diameter	2 to 3 in. (4.85 cm to 7.62 cm) or greater
Discharge Size	1.25 in. (3.18 cm) NPT
Installation	Any angle from vertical to horizontal
Driver Weight	50 lb. (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*	2 in. (4.85 cm)

Available Options

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

