

# WATER, WHEREVER, WHATEVER

## AN INDIVIDUAL SOLUTION TO REMOTE WATER SUPPLY





## SQFlex SYSTEM

The SQFlex system from Grundfos is not just another solar pump; it's a revolution in remote water supply. Designed for maximum reliability, maintenance-free operation, and the flexibility to adapt to virtually any application, SQFlex provides water wherever necessary and whatever the local conditions.



Eleven different pump models cover a wide range of heads and flows to allow pumping at extended depths (820 ft) or at high flow rates (80 gal/min) or anywhere in between, depending on your requirements.

PUMP MODEL	PUMP TYPE	MAX HEAD	MAX FLOW
3 SQF-2	Helical Rotor	395 ft	3 gal/min
3 SQF-3	Helical Rotor	655 ft	3 gal/min
6 SQF-2	Helical Rotor	395 ft	6 gal/min
6 SQF-3	Helical Rotor	820 ft	6 gal/min
11 SQF-2	Helical Rotor	395 ft	13 gal/min
16 SQF-10	Centrifugal	230 ft	22 gal/min
25 SQF-3	Centrifugal	50 ft	40 gal/min
25 SQF-7	Centrifugal	185 ft	40 gal/min
40 SQF-3	Centrifugal	50 ft	70 gal/min
40 SQF-5	Centrifugal	100 ft	70 gal/min
60 SQF-3	Centrifugal	50 ft	80 gal/min



Whether it's used for livestock watering, a pressure system on a remote cabin, or for irrigation, the SQFlex system can be tailored to meet any requirements. Based on the location, depth to water, and the volume of water required, Grundfos' exclusive sizing program finds the best pump and most efficient energy source for your application.

### The SQFlex system means:

- simple installation
- reliable water supply
- virtually no maintenance
- cost-efficient pumping – every day!

## DRY-RUNNING PROTECTION

This unique feature shuts down the pump if it detects water shortage. Every SQFlex pump comes standard with this sensor pre-installed, protecting the well from being over-pumped and the pump from damage.



## HELICAL ROTOR PUMP (3")

Designed to pump high levels very efficiently, these models allow pumping levels as deep as 820 ft. The 3 in. diameter allows the pump to go in installations where others can't.

## CENTRIFUGAL PUMP (4")

Based on Grundfos' 40 years of experience in submersible pumps, these models are capable of providing high flows, up to 80 gal/min, at moderate heads.



## MATERIALS

All Stainless steel for long pump life.

## MOTOR

Only one motor size covers the entire pump range. Designed for peak efficiency and complete reliability, the motor features integrated electronics, eliminating the need for complicated external controls.

## MOTOR PROTECTION

Built in protections against over-temperature, overload, and over and under-voltage for reliability, as well as two-way communication with a control box to alert you in case there's a problem.

## ANY VOLTAGE

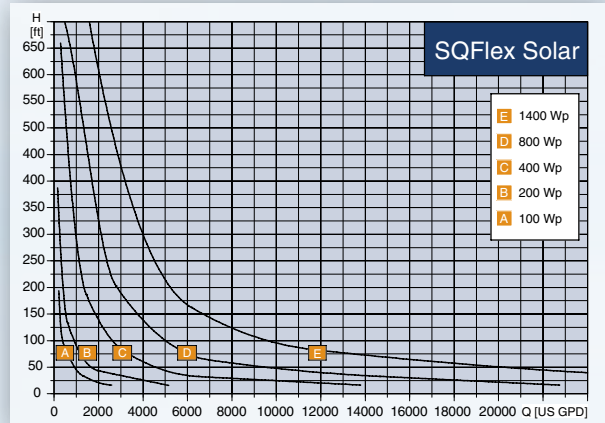
The motor can operate under any voltage from 30 - 300 VDC and 90 - 240 VAC without additional controls, making sizing and installation easy, even as a retrofit to existing installations. AC power capabilities mean every SQFlex pump has the ability to use an AC generator for backup power.





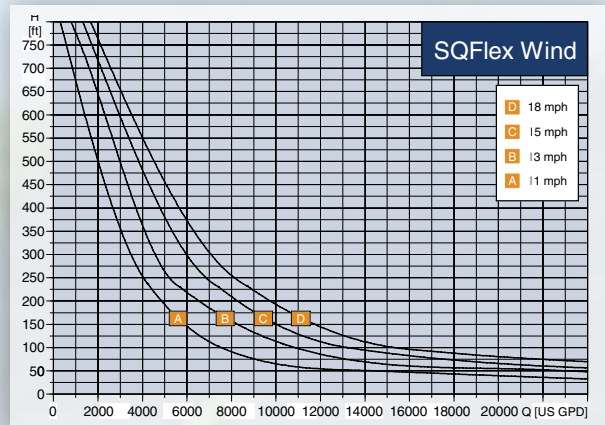
## SQFlex Solar

Ideal for most pumping systems, SQFlex Solar provides a reliable supply of water whenever the sun shines. Extremely simple to operate with no moving parts and no maintenance - just clean the panels periodically.



## SQFlex Wind

Very cost effective in locations with consistent winds, SQFlex Wind has the ability to pump day and night. The wind turbine design calls for no regular maintenance and provides reliable energy in wind speeds above 7 mph.



## SQFlex Combo

Combine wind and solar to get the best of both worlds; you get higher output from the sun in summer and from the wind in winter, giving more consistent water production all year round. Plus, there are very few days when the system can't pump. SQFlex draws power from both sources simultaneously, so there's no switching required and you get maximum production on days that are sunny and windy.



## SQFlex Back-Up

If the sun or wind ever fall short, every SQFlex pump has the ability to use a generator for backup power. Built-in electronics switch between AC and DC power automatically, so there are no special control boxes required or settings to change.

L-SQ-SL-010 Rev. 10/09 (US)

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