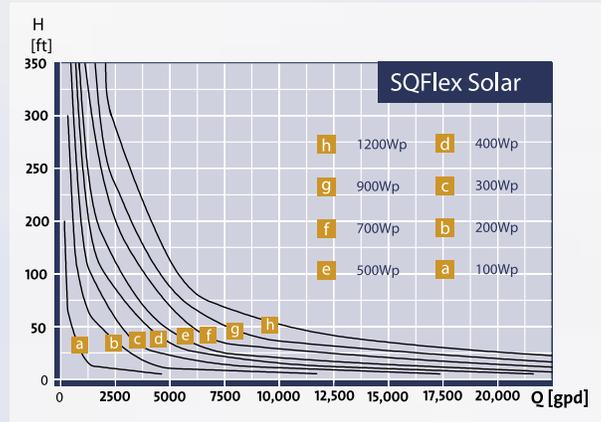




## SQFlex Solar

Ideal for pumping during the summer with it's abundant sunlight, solar gives maximum water production when you need it most. Extremely simple to operate with no moving parts and no maintenance - just clean the panels periodically.

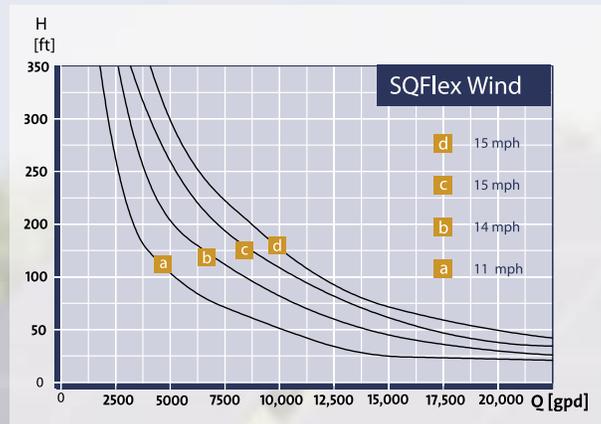
Ht = 6 kWh/m<sup>2</sup> day  
20° tilt angle  
Ambient temperature at 30°C  
20° northern latitude  
120V DC



## SQFlex Wind

Very cost effective in locations with consistent winds, Wind has the ability to pump day and night and generally gives it's best production in winter and spring. The wind turbine design calls for no regular maintenance and provides reliable energy in wind speeds above 7 mph.

Average wind speed  
Weibull's factor k = 2  
Continuous operation over 24 hours



## SQFlex Combo

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



## 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's no special control boxes required or settings to change.

L-SQ-SL-010, Rev. 5/04 (US)

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**WATER, WHEREVER, WHATEVER**  
AN INDIVIDUAL SOLUTION TO REMOTE WATER SUPPLY



## SQFlex SYSTEM

The SQFlex system from Grundfos is more than just a solar pump; it's a revolution in remote water supply. It's advanced design allows it to adapt to virtually any application, providing water, wherever necessary, and whatever the local conditions.



Seven different pump models cover a wide variety of heads and flows to allow pumping at extreme depths (525 ft) or at high flow rates (75 gal/min) or anywhere in between, depending on your requirements.

PUMP MODEL	PUMP TYPE	MAX HEAD	MAX FLOW
3 SQF-2	Helical Rotor	525 ft	3 gal/min
6 SQF-2	Helical Rotor	400 ft	6 gal/min
11 SQF-2	Helical Rotor	325 ft	11 gal/min
25 SQF-3	Centrifugal	50 ft	25 gal/min
25 SQF-6	Centrifugal	100 ft	25 gal/min
40 SQF-3	Centrifugal	50 ft	40 gal/min
75 SQF-3	Centrifugal	50 ft	75 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 any requirements. Based on the location, depth to water, and the amount of water required, Grundfos' exclusive sizing program finds the best pump and most efficient energy source for the system.

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 motor from burning out.



## HELICAL ROTOR PUMP

Designed to pump high heads very efficiently, this pump type allows pumping levels as deep as 525 ft. The simple design requires no maintenance, ever.

## MATERIALS

All Stainless steel for long pump life.

## CENTRIFUGAL PUMP (4")

For high flow applications with moderate heads, this pump type is capable of providing up to 75 gal/min and never needs maintenance.



## MOTOR

Only one motor covers the entire pump range. Designed for maximum efficiency, it also features a very high starting torque for reliability and a soft-start feature, so the pump can start and stop an unlimited number of times without harm.

## ELECTRONICS

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

## ANY VOLTAGE

The motor can operate at any voltage from 30 - 300 VDC and 90 - 240 VAC without additional controls or different settings, making sizing and installation easy, including retrofits. AC power capabilities mean every SQFlex pump has the ability to use an AC generator for backup power.