

**EXTENDED RANGE**



# SQ FLEX

## SOLAR POWERED SUBMERSIBLE PUMP

**2  
YEAR  
WARRANTY**

### WATER SOURCE



Bore



Dam



River

### APPLICATION



Irrigation



Stock  
Watering



Transfer

### Ultra Long Life

SQ Flex comes standard with base mount zinc anodes, which protect the pump casing from aggressive saline water, further extending life expectancy.

### Smart Control

The smart internal motor control (Max. Power Point Tracking) adjusts pump speed accordingly to Solar DC power input.

### High Quality Materials

High grade stainless steel construction to ensure a long, trouble-free life.

### Permanently Protected

If your bore runs dry, the motor is protected and will stop running, restarting automatically. Also features electrical and overheating motor protection.

### All-in-one Solution

SQ Flex comes with a built-in DC to AC frequency inverter, eliminating the need for extra equipment.

### Wide Voltage Range

Able to work under widely fluctuating AC/DC voltages.

### POWER INPUT OPTIONS



Solar DC



Mains AC



Generator AC



Battery  
Back-up DC



For more information, visit  
[grundfos.com/au](http://grundfos.com/au)

**GRUNDFOS**

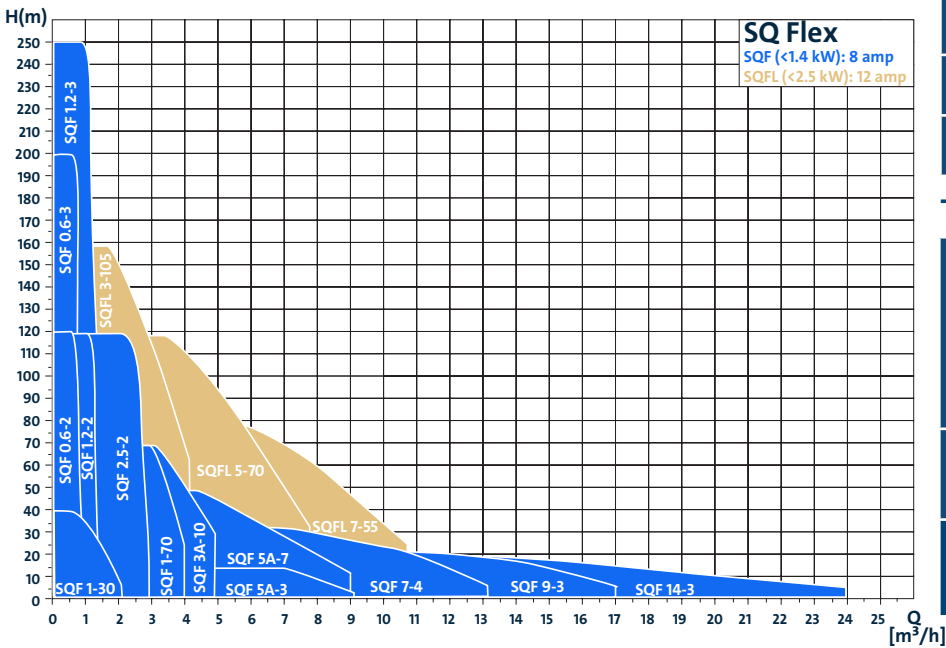
Possibility in every drop

## RECOMMENDED ACCESSORIES

<b>CU200 - Controller</b> <i>Compatible with SQ Flex up to 1.4 kW</i>		<b>Level Switch/Float Kit</b>	
<b>IO101 - Isolator/Manual Switch</b> <i>Compatible with SQ Flex up to 1.4 kW</i>		<b>Pressure Kit/Pressure Switch</b>	
<b>IO101B - Isolator/Manual Switch</b> <i>Compatible with SQ Flex up to 2.4 kW</i>		<b>Plug n Play Panel</b> <i>Solar Connect ready</i>	
<b>CIU903- Control and Communication Unit</b> <i>Compatible with all models of SQ Flex</i>		<b>Grundfos Go Dongle</b> <i>For connection to CIU903</i>	

## TECHNICAL DATA & PERFORMANCE

### PERFORMANCE CURVE



### PROTECTION & CONTROL

Max. Power Point Tracking	✓
Dry Run Protection	✓
Over & Under Voltage Protection	✓
Over Temperature Protection	✓

### TECHNICAL DATA

Power Supply Voltage	SQF (<1.4 kW): 30-300 VDC 90-240 VAC 50 Hz
	SQFL (>1.4 kW): 100-300 VDC 90-240 VAC 50 Hz
Liquid Temperature	0°C to +40°C
Maximum Suspended Sand Content	50 g/m <sup>3</sup>

### PHYSICAL ATTRIBUTE

Model	Motor Power P1 (kW)	Dimensions (mm)			Weight (kg)
		A (l)	B (w)	C (Outlet)	
SQF 0.6-2 N	1.4	1185	74	Rp 1 1/4	7.6
SQF 0.6-3 N	1.4	1235	74	Rp 1 1/4	7.9
SQF 1.2-2 N	1.4	1225	74	Rp 1 1/4	7.9
SQF 1.2-3 N	1.4	1295	74	Rp 1 1/4	8.2
SQF 2.5-2 N	1.4	1247	74	Rp 1 1/4	8.2
SQF 1-30 N	0.3	956	74	Rp 1 1/4	7.5
SQF 1-70 N	0.9	861	74	Rp 1 1/4	5.4
SQF 3A-10 N	1.4	1012	101	Rp 1 1/4	11.1
SQF 5A-3 N	1.4	865	101	Rp 1 1/2	9.3
SQF 5A-7 N	1.4	949	101	Rp 1 1/2	10.2
SQF 7-4 N	1.4	927	101	Rp 1 1/2	12.5
SQF 9-3 N	1.4	1011	101	Rp 2	10.6
SQF 14-3 N	1.4	982	101	Rp 2	11.2
SQF 3-105 N	2.5	942	74	Rp 1 1/4	6.8
SQF 5-70 N	2.5	941	74	Rp 1 1/2	6.4
SQF 7-55 N	2.5	860	74	Rp 1 1/2	6.1

