

PUMPSmart™ LITE

COMFORT AND POWER SAVING AT YOUR FINGERTIPS



ADVANCED STAGNATION CONTROL

- Protects yours system
- Faster recovery from panel over temperature



BUILT WITH THE INSTALLER IN MIND

- Plug and play pump station with plug in roof sensor
- Pre-wired with pre-programmed settings



STRAIGHT FORWARD DIAGNOSTICS

- LED indicators for fault conditions
- Push button for pump activation



BUILT FOR LOCAL CONDITIONS

- Controller – IP54 water resistant, UV A & B enclosure
- Pump - low energy B-class technology, resistant to short temperature peak of up to 140°C



WORLD CLASS SOLAR PUMP INCLUDED

- Robust, durable and temperature resistant
- Suitable for water / glycol mixtures and coolants

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CONTROLLER TECHNICAL SPECIFICATIONS

The standard installation kit includes:

- 1 x 3metre PVC Tank Sensor
- 20m Teflon/PVC Plug In Roof Sensor

POWER SUPPLY

| | |
|-----------------------|--|
| Supply Voltage | 240 Vac +/- 10% 50 to 60 Hz |
| Quiescent power usage | 2VA typical |
| Relay Output. | Pump: 10A (240Vac) Resistive ½ HP/375W (240Vac) Motor rating (0.4cosΦ) Zero Crossing contact closure / open |

SENSORS

| | |
|-----------------|--|
| PVC Sensor | -20 ~ +120°C tip 5.8mm diameter stainless steel -20 ~ +105°C cable, UV resistant |
| Silicone Sensor | -20 ~ +250°C peak tip, 5.8mm diameter stainless steel -20 ~ +180°C cable, UV resistant. |
| Accuracy | +/-1°C @ 25°C |

EMC AND SAFETY COMPLIANCES

| | |
|-------------------|---|
| Emissions | EN 55022-A, CTick. |
| Immunity | EN 50082-1. |
| Safety Compliance | AS/NZ 60950.1:2003, CTick. AS/NZ 3820:2009 AS/NZ 2712: 2007 |

GENERAL SPECIFICATIONS

(unless otherwise stated in other input specifications)

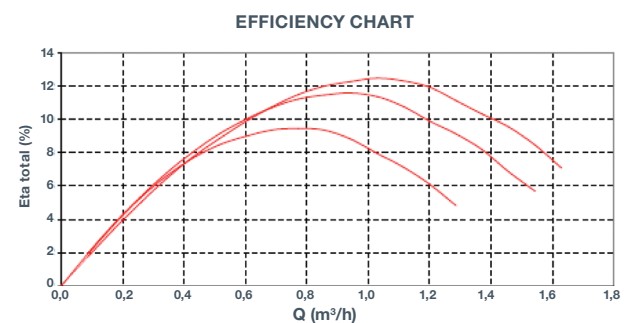
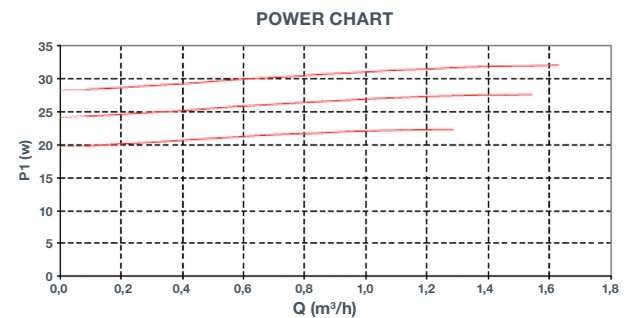
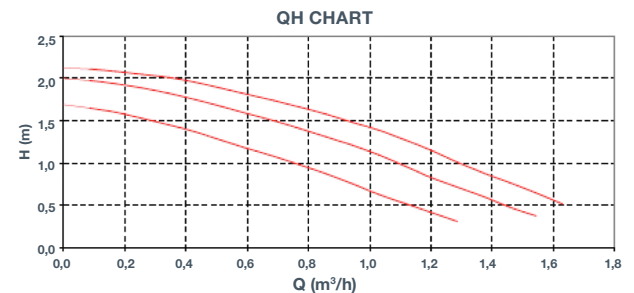
| | |
|-------------------------------|--|
| Control Range | -40 ~ +299°C |
| Operating Temperature | 0~60°C |
| Operating Humidity | 5 ~ 85% RH. Non-Condensing |
| Enclosure Construction | Polycarbonate-Impact Resistant UL94 V-2 Non Burning, UV A & B Stabilized Water resistant to IP54. |
| Dimensions | L=167mm |
| (excluding glands and cables) | W=142 H= 40mm |
| Weight | 1200grams (Standard model + sensors + packaging, without power plug and pump socket) |

PUMP TECHNICAL SPECIFICATIONS

Grundfos Solar 15-20 CIL2

- 3 speed asynchronous circulator, low energy B-class technology
- Pressure class PN10
- Protection class X4D
- Insulation class H
- Operation time per year: 3000 hours
- Normal operation temperature: +2°C to 110°C
- Max. Medium temperature: TF110 (up to 140°C for maximum 1 minute)
- Ambient temperature: -20°C to 60°C

GRUNDFOS PUMP PERFORMANCE TEST



FOR MORE INFORMATION CONTACT

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SENZTEK
smart energy management