

SumpGuard

Automatic Sump Frost Protector



Andel SumpGuard is a unique, simple and cost-effective solution providing additional protection to the Andel BundGuard system when installed in oil storage environments that are susceptible to freezing temperatures.

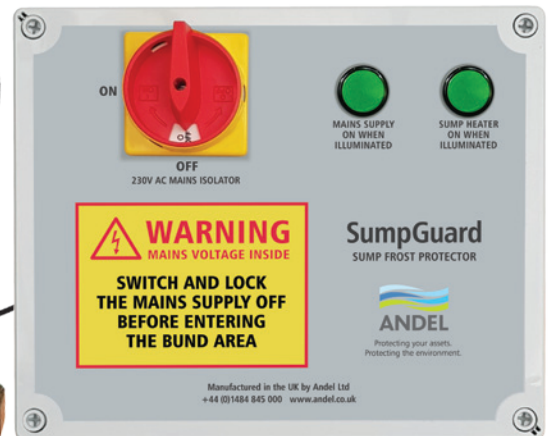
The SumpGuard system automatically monitors and modulates the temperature in the sump 24/7 with a fully submersible heating element that prevents water in the sump from freezing. SumpGuard allows the BundGuard system to operate to full efficiency ensuring bunded areas remain free of water wherever there is a risk of freezing weather conditions.

SumpGuard is energy efficient, only using enough energy to prevent water in the sump from freezing – and automatically switching the heating element off when not required.

The industry-unique SumpGuard system has been developed by Andel in response to site operators across Europe requiring a hassle-free solution to the challenges of operating efficiently and fully compliant in freezing conditions.

BENEFITS OF SUMP GUARD TO SITE OPERATORS

- Prevents water in the sump from freezing
- Allows the BundGuard system to operate efficiently in freezing temperatures, ensuring ongoing compliance
- Can be integrated into a new BundGuard installation or retrofitted to an existing BundGuard system – no need for a full system replacement
- Cost-effective, low energy use and can save on costly repairs
- Extends pump life and protects the BundGuard system by preventing damage caused by the effects of freezing water in the sump
- Minimal maintenance required
- Capability to connect to any BMS



TECHNICAL INFORMATION

The SumpGuard system comprises of a control panel and fully submersible ceramic heating element and is designed to prevent water from freezing in a sump size of 600mm x 600mm x 600mm.

CONTROL PANEL:

Power supply: 230v AC at 2 amps maximum. RCD and over-current protected supply

Dimensions: W 285mm x H 235mm x D 112mm

Construction: IP 68 ABS enclosure with a MAINS ON lamp, HEATER ON lamp and rotary isolator switch

HEATING ELEMENT:

Power supply: 230v AC at a current load rating of approx 1.3 amps, maximum power consumption 300 watts

Dimensions: W 55mm x H 286mm x D 32mm

Construction: Fully submersible 300 watt ceramic heating element protected with a hard plastic mesh

Air temperature activation: Set by user (factory default setting at +5°C)

Air temperature deactivation: When the temperature rises above the set point

HEALTH AND SAFETY:

Because the system uses a submersible electrical device in water, strict levels of safety should be followed. All electrical supplies must be isolated before handling or maintaining this system. Installation must only be carried out by trained personnel or a qualified electrician.

NOTE: Andel reserves the right to change the product specifications at any time without prior notice. All items in the SumpGuard construction are CE compliant.

Andel provides consultation, design, manufacturing, installation and support services for four key specialist areas: LEAK DETECTION, OIL STORAGE MAINTENANCE AND COMPLIANCE, INTERCEPTOR AND DRAINAGE MAINTENANCE and FLOOD DEFENCE

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