



BundGuard® 5 Plus

Automatic, intelligent bund dewatering system that prevents oil discharge to the environment



Advanced, fully automatic bund water management system for compliant, low-maintenance operation.

BundGuard® 5 Plus continuously monitors bund conditions, automatically removing rainwater while ensuring hydrocarbons remain safely contained.

No manual intervention. No risk of contaminated discharge. Reliable operation in all conditions.

Developed from Andel's proven BundGuard® platform, the system delivers intelligent control for oil storage, utilities and critical infrastructure sites.

Engineered for compliance and reliability

BundGuard® 5 Plus uses advanced sensing technology to distinguish between oil and water, ensuring only clean water is discharged.

- Prevents pollution incidents
- Maintains bund compliance
- Reduces manual inspection and pump-out requirements
- Supports safe, unattended operation

Unlike manual or basic systems, BundGuard® operates continuously without operator input – reducing site risk and operational cost.

Suitable for:

- Transformer bunds
- Generator and fuel storage areas
- Oil storage depots
- Industrial plant and infrastructure
- Utilities and critical sites

Proven platform

Part of the BundGuard® range, with over 50,000 units installed worldwide, delivering reliable bund protection across utilities and industrial sites in demanding environments, protecting site operators and the environment.

Benefits at a glance:

- Fully automatic bund water management
- Prevents discharge of oil-contaminated water
- 2-pump capability with automatic changeover
- Low maintenance, long service life
- Early warning alarms for abnormal oil and water levels
- Pump current monitoring to extend pump life
- Reduces need for waste contractor call-outs
- Historical data logging for audit and compliance
- Multiple communications: volt-free contacts, Modbus, SMS
- Reliable operation in harsh outdoor environments
- Suitable for remote and unmanned sites
- Proven discharge quality: <5ppm hydrocarbons or effectively zero when paired with FilterSepta® above-ground separator
- 10-year control panel warranty

Robust and reliable

BundGuard® delivers consistently accurate operation, avoiding common issues seen with basic dewatering systems such as false readings, pump cycling and premature component failure.

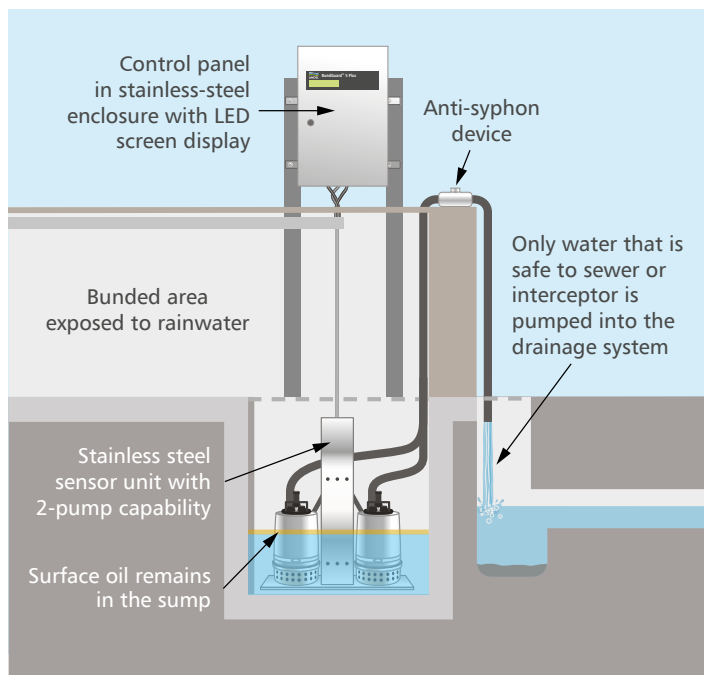
The control panel and submersible sensor unit are housed in robust, UV-resistant stainless-steel enclosures, designed for long-term outdoor deployment.

With routine maintenance, systems are proven to operate for 15+ years in all weather conditions.



Making water sustainable for a cleaner and safer environment.





Key features

Control & Monitoring

- LCD menu display
- Historical data logging
- Delay customisation
- Technical support access

Alarms & Protection

- High oil alarm
- High water alarm
- Mains failure alarm
- System fault alarm
- Connector disconnection alarm
- Pump disable alarm

Pump Management

- 2-pump capability
- Auto changeover
- Pump current monitoring
- Over-current protection
- Pump disable function

Connectivity

- Modbus RTU interface
- Volt-free contacts
- SMS alarm forwarding (optional)

System Integration

- Filter back-pressure monitoring support
- Outlet water meter support
- Battery backup

TECHNICAL INFORMATION

CONTROL PANEL:

- Power: 110/230 VAC, 440W (1 pump), 970W (2 pumps)
- Construction: Stainless steel, IP66 rated
- Dimensions: (H)415mm x (W)420mm x (D)100mm (including mounting lugs)
- Fixing: Wall/surface mount via external fixing lugs
- Indicator LEDs:
 1. Power – Green
 2. System Fault – Red
 3. Pump 1 Active – Green
 4. Pump 2 Active – Green
 5. High Oil Alarm – Red
 6. High Water Alarm – Red
 7. Pump 1 Disabled – Yellow
 8. Pump 2 Disabled – Yellow
- Display: 2 x 16 character LCD for system status, pump cycles and setup menus

SENSOR UNIT:

- Construction: Stainless steel, immersion-proof
- Fixing: Free-standing in base of sump
- Dimensions: (H)550mm x (W)450mm x (D)208mm (2-pump sensor)
- Fixing: Free standing in base of sump

STANDARD PUMP:

- Power: 250W
- Voltage: 220-240 VAC/50Hz
- Construction: 304 stainless steel with mechanical shaft seal
- Dimensions: (H)320mm x (W)165mm
- Weight: 6kg
- Max flow: 140 litres per minute
- Max head: 8m
- Outlet: 1.25 inches BSP
- Fixing: Integrated within sensor unit
- 10m flying lead for power connection
- 10m of pump and sensor cable

FIXING AND CONFIGURATION:

BundGuard® 5 Plus is supplied complete with fixing kit, anti-syphon device and 5 metres of 18 bar flexible hose.

Units are factory-configured prior to delivery. Minor on-site adjustment may be required during installation. No further calibration is required.

Routine maintenance is recommended every 6-12 months, depending on site conditions.

PLUG-AND-PLAY OPTION:

A plug-and-play option is available for sites requiring simplified maintenance or more frequent servicing.

All connections between the sensor unit and control panel are via IP68-rated connectors.



Making water sustainable for
a cleaner and safer environment.



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