

# BAKER E.L.S. POLLUTION PREVENTION

Introducing ...

## BundGuard

### Automatic Separating Pump System

“YES” to water - “NO” to oil

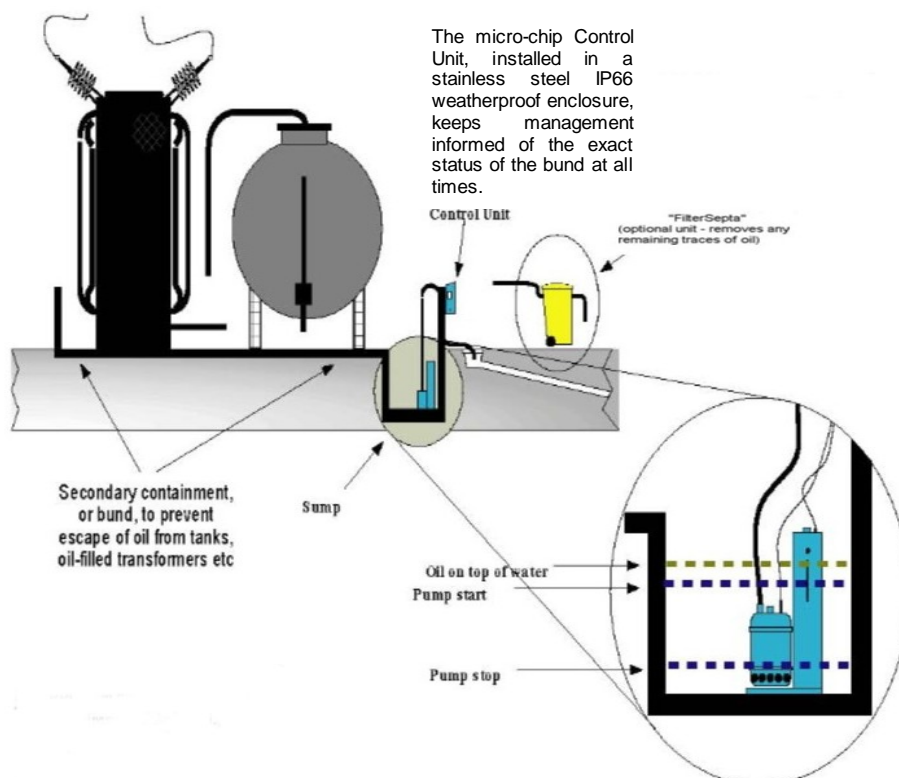
Maintaining the integrity of bunded areas designed to contain oil leaks and spillages, can be a major problem for operators of any size – particularly those with remote or unmanned installations.

The bund will collect rainwater and, before too long, the holding capacity of the bund will be significantly reduced. Obviously as oil floats on water, once the capacity drops below 100% there is a risk of oil escaping over the bund wall should a tank spillage occur.

The BundGuard system was developed over ten years ago as a low cost, self-contained and easy to fit automatic pump and alarm unit. The unit works continuously and automatically 24/7, 365 days a year.

### How the system works ...

BundGuard uses advanced micro-chip technology to discriminate between oil and water. A robust sensor unit mounted in the sump of the bund monitors various liquid levels and automatically activates the submersible pump (included with system) to remove unwanted rainwater. As a fail-safe precaution, the system provides warning lights and an alarm to alert the operator to a pump failure or malfunction; whilst a second alarm provides a warning when oil leaks or spillages reach the predetermined level.



#### Sensor unit alarm outputs

⊙ Normal Operation  
Normal automatic operation empties clean rainwater from the sump as the level rises to a set point. Minor quantities of oil remain safely above the pump inlet.

⊙ Excessive Oil  
BundGuard detects that oil build up has occurred during the normal rise and fall of the water level and warns that the set point for oil removal has been reached.  
*Action required !*

⊙ High Water  
BundGuard detects a high water level indicating either a pump inadequacy or failure.  
*Action required !*



**BundGuards can be installed with minimum disruption and within six months will save you the cost of manually pumping out surface rainwater.**

- BENEFITS FOR THE USER**
- Keeps bund empty for intended purpose
  - Prevents Pollution
  - Avoids expensive legal action
  - Reduces risk of fire spread
  - Improves working environment
  - Continuous automatic water removal – no monitoring required
  - Unaffected by sudden oil spill or tank burst
  - Unaffected by downpour/storm conditions

SPECIFICATIONS :	Control Unit	Sensor Unit	Pump
Power & Voltage	220/110 VAC external 12 & 24 internal	Nominal	220 VAC
Construction	All stainless steel IP66 320h x 260w x 120d	All Stainless Steel Immersion Proof 570h x 180w x 70d	All Stainless Steel 250h x 160w 25mm hose conn.
Display & Alarm	LEDS – Power OK, Pumping, High Water, High Oil, Pump Disable	RELAYS – High Water, High Oil, Mains Fall, Pump Disable	Thermal Trip – self reset
Fixing & Connection	External Fixing Lugs Secure double “D” key	Stand in base of sump (ideal sump size 600x600x600)	(part of sensor unit)
Settings	Set in factory + some on site adjustment if needed	No calibration required	



Control Unit

The technology is well proven and already operating successfully in many sites across the UK; keenly supported by the Environmental Agency and other regulatory organisations.



Sensor Unit/Pump

**Please contact us on 01473 326326 to discuss your requirements.**

**Baker Environmental Lining Services**  
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