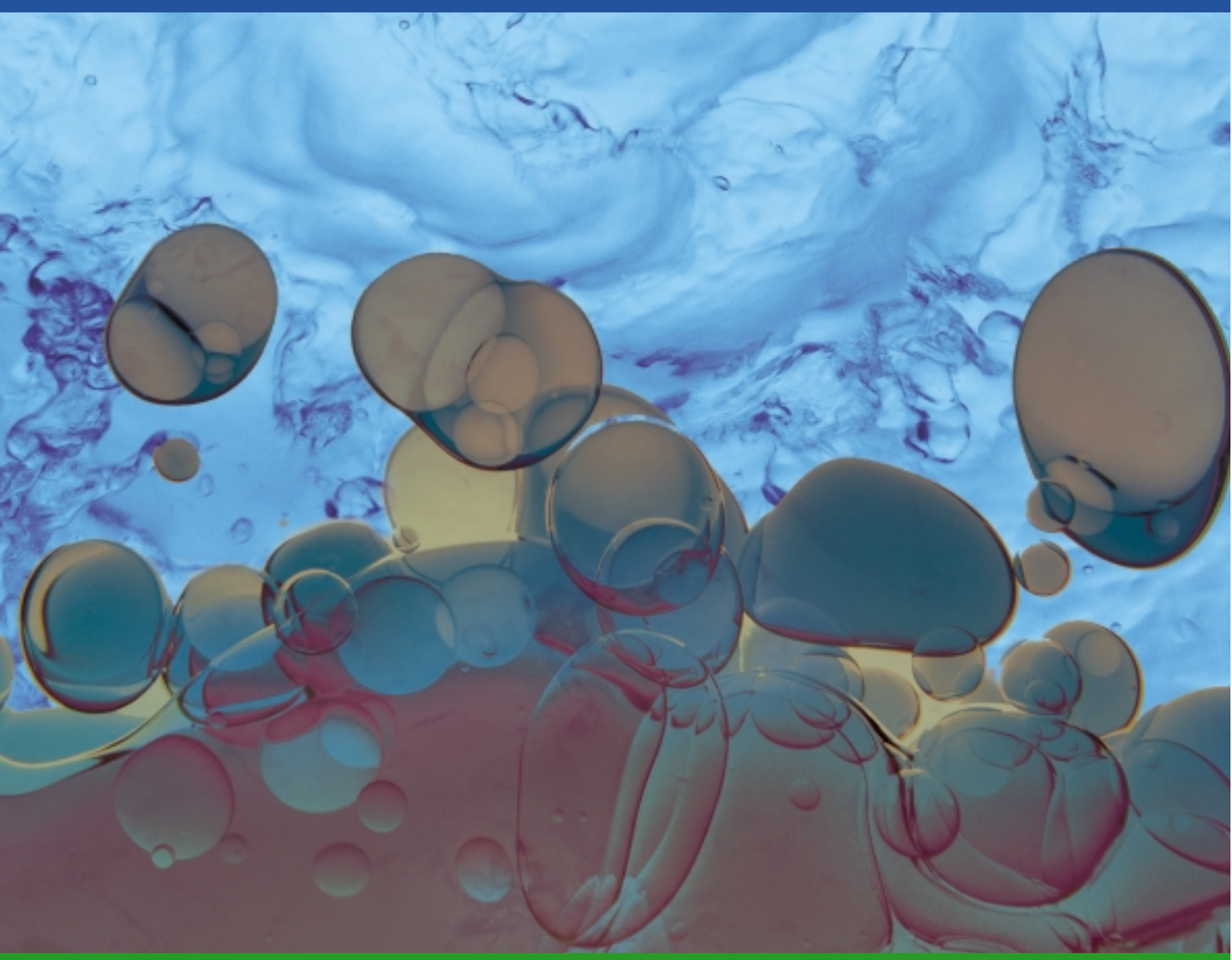


AQUASENTRY

Bund Water Control Unit



- Reduce your site operation costs.
- Improve your environmental corporate image.
- Provide a safe and dry working environment

Innovation • Design • Manufacture • Supply • Installation • Commission • Service
Secondary Containment • Bund Water Control • Oil Separator Alarms • Waste Management Services



Example of a typical concrete bund containing an oil filled transformer.

What is a Bund?

A bund is a secondary containment area that is constructed around oil (or chemical) storage facilities to prevent leaks and spills polluting watercourses. Bunds need to be watertight to be effective and therefore bunded areas collect rainwater, which becomes polluted by the normal day-to-day drips from the storage facility. The polluted rainwater must be removed in an environmentally safe manner so that the bund retains its full capacity to contain a major spill from the storage facility, and avoid an oil pollution incident. Case studies show the only economical and environmentally safe method of removing polluted water from a bunded area is by using an automatic, failsafe "intelligent" pump that eliminates human error.



Control Panel (shown installed on bund wall) can be sited at other locations eg. site office.

*Rainwater containing less than 5mg of oil per litre of water (5 parts per million), which is regarded as safe by The Environment Agency, is discharged into the clean water drainage system.

What is a Bund Water Control Unit?

A Bund Water Control Unit is a low maintenance automatic pumping system that detects the difference between oil and water, and safely pumps the water* only out of the bund. The pumped water can be discharged into the clean water drainage system leaving the oil behind in the sump, allowing for economical and easy removal by a waste management company. At all times failsafe features will warn you of any risk of a potential pollution incident.

How can a Bund Water Control Unit help you?

Fewer visits by your waste management company will be required because only the oil (and no water) will need to be removed resulting in significantly reduced waste management costs. The unit will provide a safe and dry working environment for your site maintenance staff and is a positive action for protecting the environment which will contribute to receiving and maintaining ISO 14001 accreditation (showing best environmental practice).



The unit can be installed in any type of bund. Eg. brick, steel, concrete.



Also available as a portable unit ideal for retrofit situations where the installation of cabling isn't economically viable.

← 20m cabling

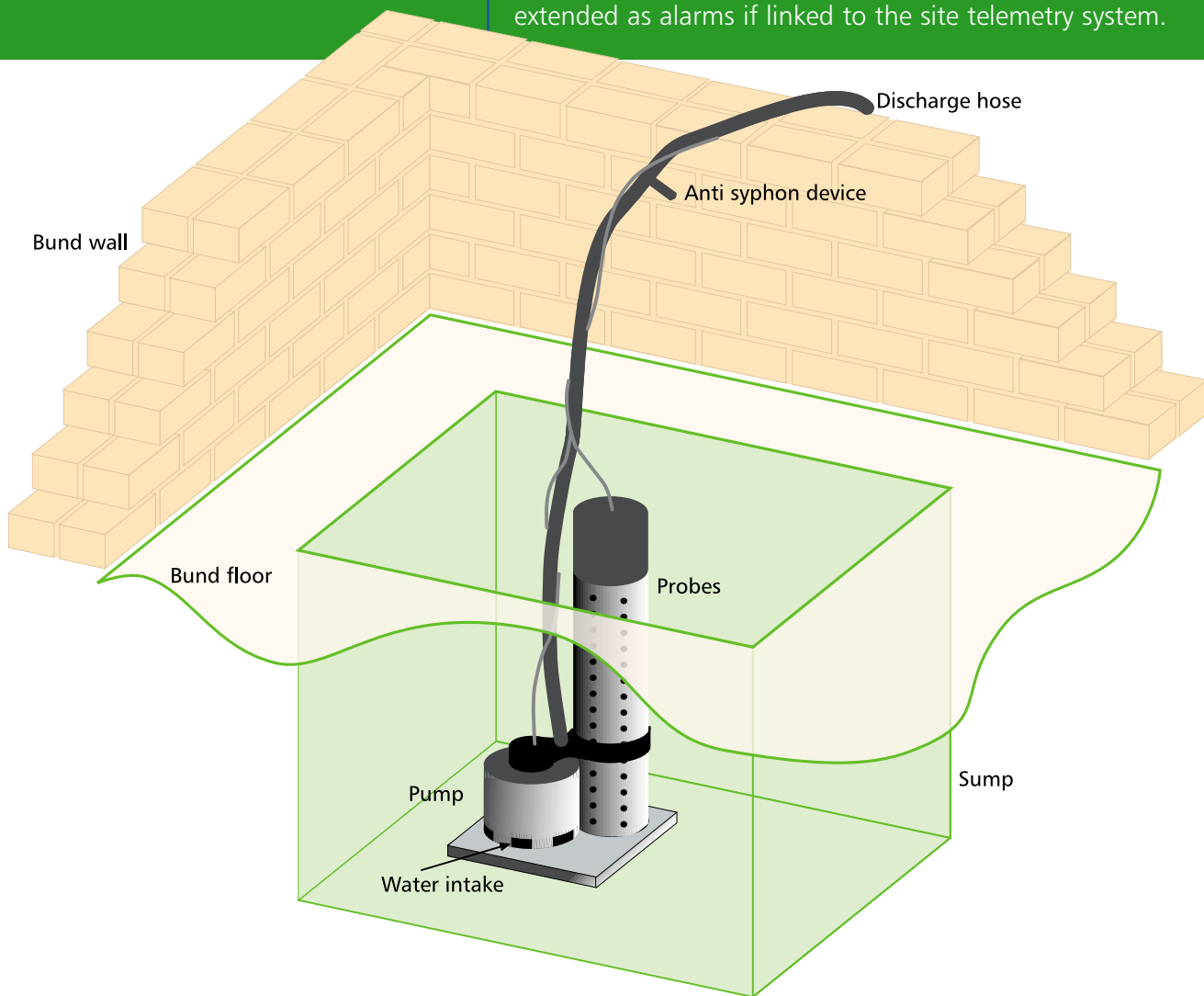


Bund water control units are offered with a installation and service package

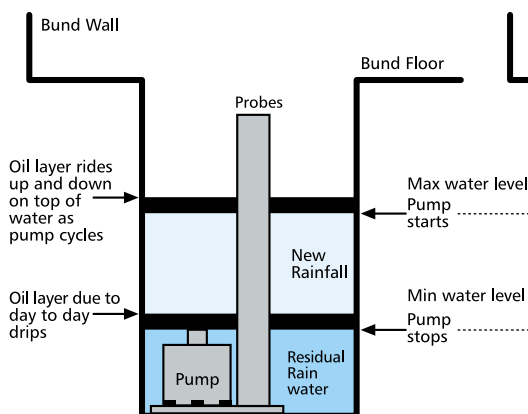
For a FREE site survey

How does it work?

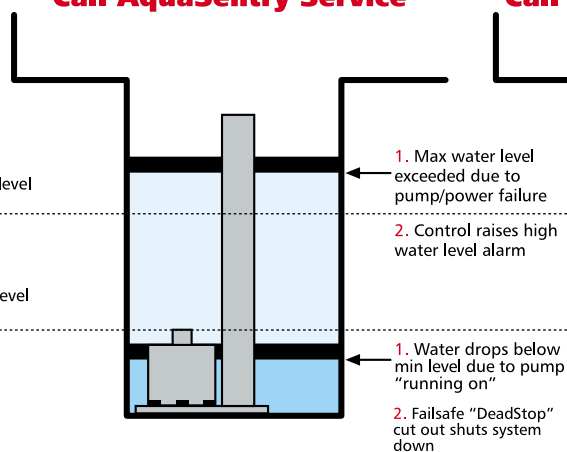
The pump/probe assembly, made from robust non-deteriorating materials, is placed in the sump of the bund. The probe sensors monitor the sump liquids for the presence of water or oil at site/sump specific levels. The control, located at the site-owner's discretion, switches the water pump on and off at the appropriate levels. High water and excess oil levels in the sump, and power failure, are indicated by LED signals on the control which may be extended as alarms if linked to the site telemetry system.



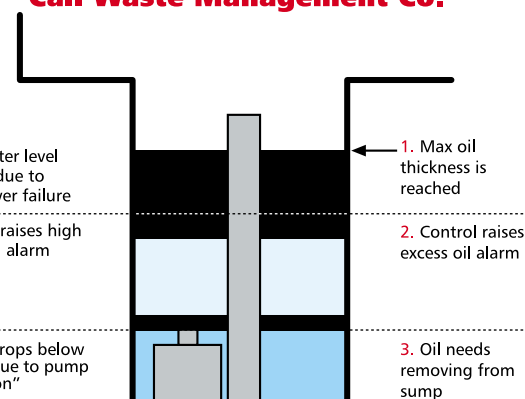
Normal Operation



Action Required Call AquaSentry Service



Action Required Call Waste Management Co.



The benefits to your business

Reduce your site operation costs

- Reduced waste management costs.
- Reduced risk of expensive fines and clean up costs.

Provide a safe and dry working environment

Improve your environmental corporate image

- A positive action for protecting the Environment.
- Designed to comply with Oil Storage Regulations and The Environment Agency's Pollution Prevention guidelines.
- Contributes to receiving and maintaining ISO 14001 accreditation (showing best environmental practice).
- Use of a solution recognised by The Environment Agency as being BATNEEC (best available technology not entailing excessive costs).

Technical details

	Product Code	Dimensions (mm)			Materials	Contact relay alarm outputs			Pump Output		Minimum Sump Dimensions (mm)		
		h	w	d		high oil	high water	power failure	3m head	5m head	h	w	d
Control	022 series 027 series	300 330	250 330	160 150	PVC s steel	yes yes	yes yes	yes yes					
Drop-in/pull out Sump assembly													
Probe	033	507	89	89	PVC								
Pump standard	GSA 1002	245	155	155	s steel				125 l/min	80 l/min			
Pump large	GSA 1015	285	155	155	s steel				250 l/min	200 l/min			

NOTE Standard systems require a 240VAC/13 amps rated supply but can be modified to accommodate alternatives and to operate in Zone 0 conditions
Both series of controls are offered as a:

- Single model to operate 1 probe/primary pump in 1 sump
- Dual model to operate 1 probe/primary pump in each of 2 sumps
or 1 probe/primary pump and standby pump in 1 sump



* Warranty

AquaSentry reserves the right to charge for parts and labour if AquaSentry Systems have been installed incorrectly by anyone other than an AquaSentry engineer. AquaSentry undertakes to replace all defective parts and equipment arising from faulty materials or workmanship for a period of 12 months from the date of purchase. This warranty excludes damage and normal wear and tear. All the above information, including illustrations, is believed to be reliable. Users, however should independently evaluate the suitability of the product for their application. AquaSentry makes no warranty as to the accuracy or the completeness of this information, and disclaims any liability regarding it's use. AquaSentry's only obligations are those contained in the standard terms and conditions of sale and in no case will AquaSentry be liable for any incidental, indirect or consequential damages arising from the sale, resale or misuse of it's products.

Full installation, commissioning and service is available for all AquaSentry Systems.
Call our customer service team to arrange a survey.



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