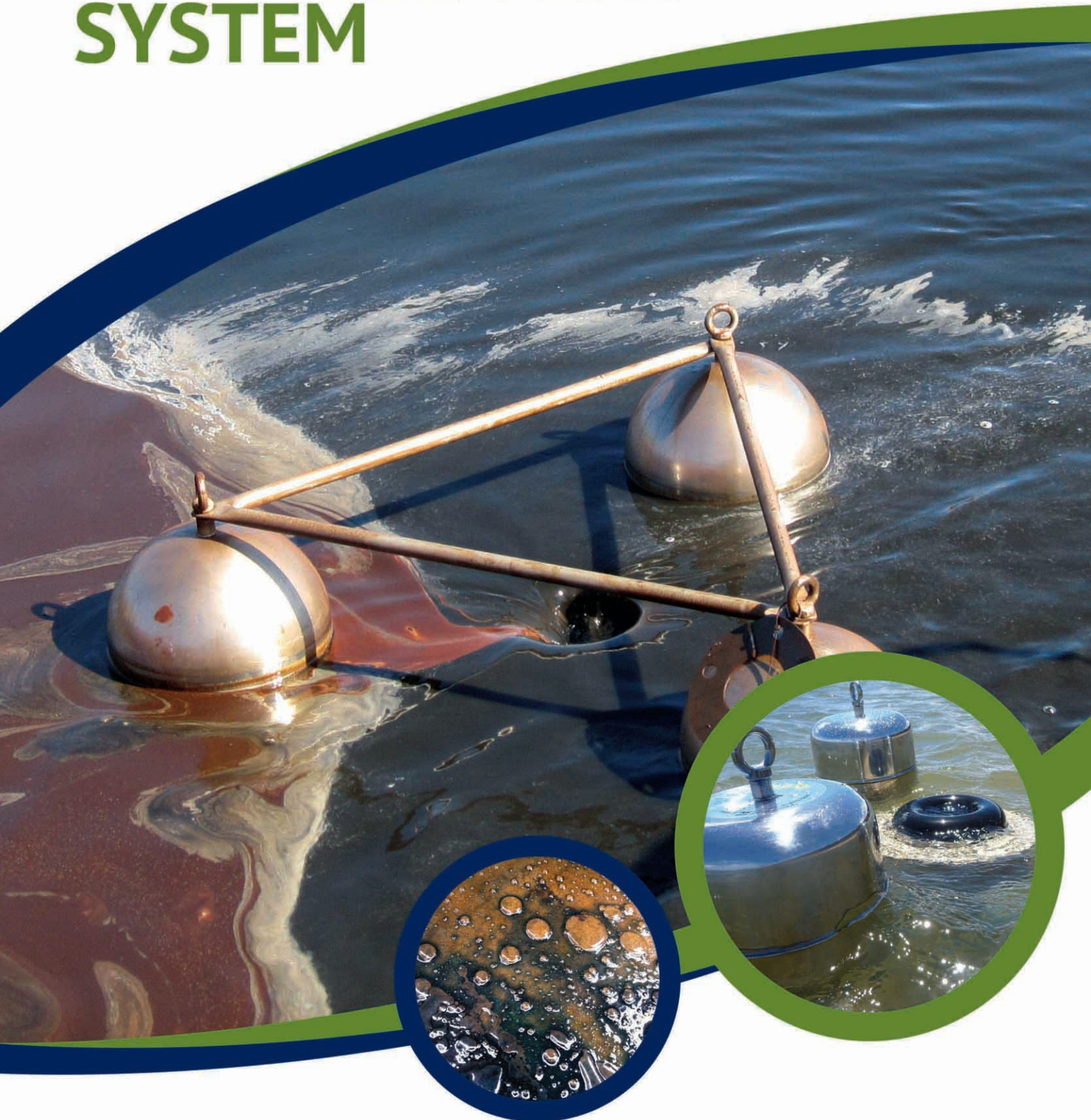


OIL RECOVERY SYSTEM



www.ultraspin.com.au

ultraspin™

OIL RECOVERY SYSTEM

ultraspin™

The Ultraspin Oil Recovery System (ORS) is used for applications with gross oil loads or potential risks for oil spills, and for gross oil skimming from effluent collection pits. The main components of an ORS are a skimmer, debris strainer, electric diaphragm pump, and a collection tank.

BENEFITS

- Removes and contains oil spills
- Simple yet effective solution to an oily water problem
- Able to handle large oil spills and high oil concentrations
- Simple piping systems
- Minimal maintenance required
- Compact design
- Optional features available
- Minimises waste which reduces cost



COMPONENTS

✓ Skimmer

- If pit accidentally floods, oil spills are minimised
- Removes oils and fats from tanks and pits
- Eliminates stagnant oil layer build ups

✓ Suction Hose

- Oil resistant wire reinforced suction hose
- Stainless steel male/female camlock connections
- Spiral wound oil-resistant fabric cover with 316 Stainless Steel fittings

✓ Debris Strainer

- Removes rubbish larger than 9mm
- Reduces system blockages
- Protects pump

✓ Electric Diaphragm Pump

- Self-priming
- Low maintenance required

✓ Oil Storage and Decant Tank

- Concentrates and collects oil
- Automatically drains excess water back to the effluent pit

OPTIONAL FEATURES

✓ DP Gauge

- Indicates pressure difference between the suction side and discharge side of the strainer
- Automatic indication of strainer blockages and whether cleaning needs to be scheduled
- Effective indication between 0-100 kPa

✓ Electric Control Panel

- Ultraspin standard or client specification available
- Stainless steel cabinet

✓ Pump Motor

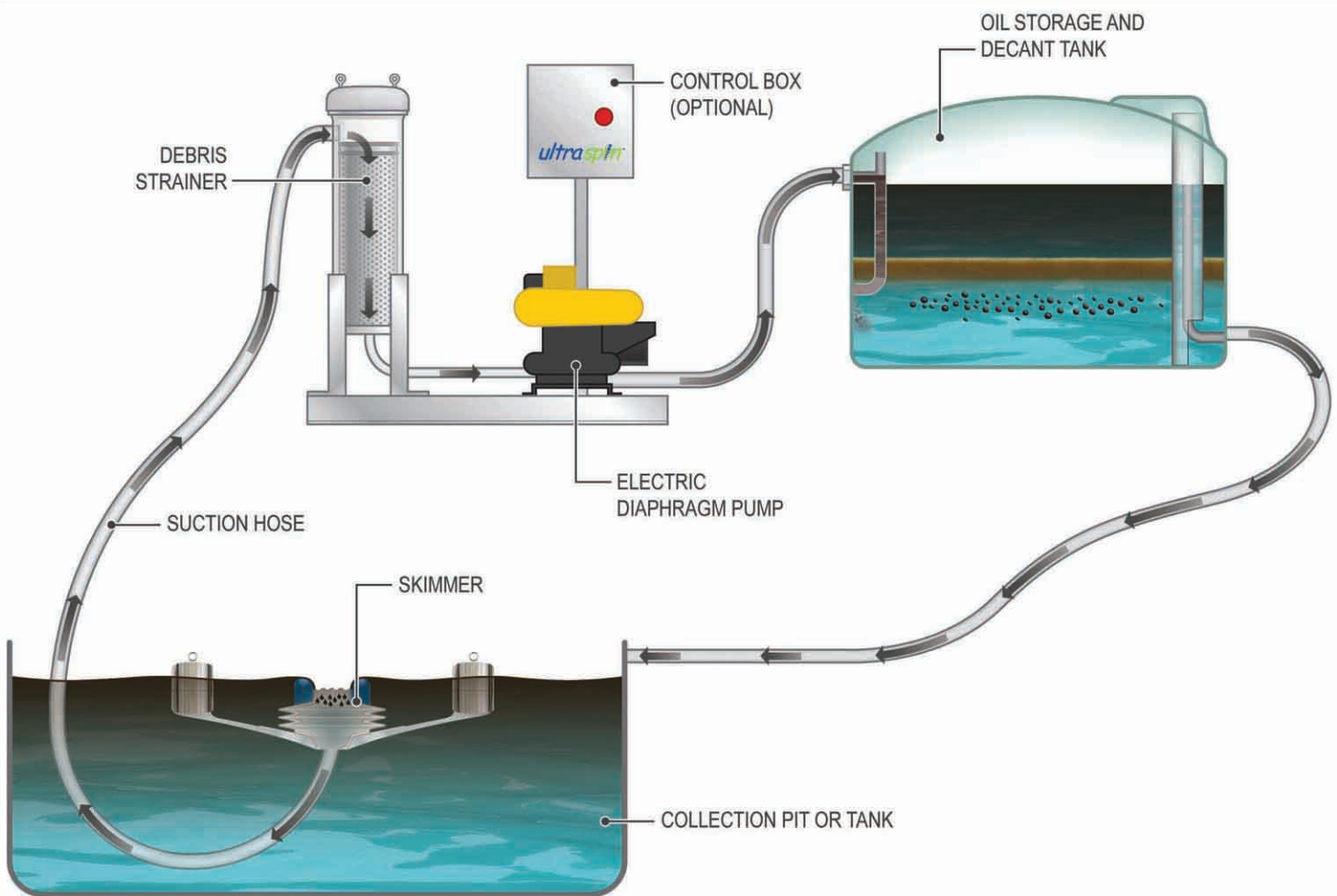
- Ultraspin standard is provided with system
- Alternative client specified motor can be supplied
 - o Customer specific IP rating
 - o Customer specific painting

TYPICAL APPLICATIONS

- Workshops
- Refuelling areas
- Lube bays
- Fuel storage
- Vehicle wash stations
- Anywhere there is a risk of oil spill
- Preventing accumulation of dairy fats and oils



HOW IT WORKS

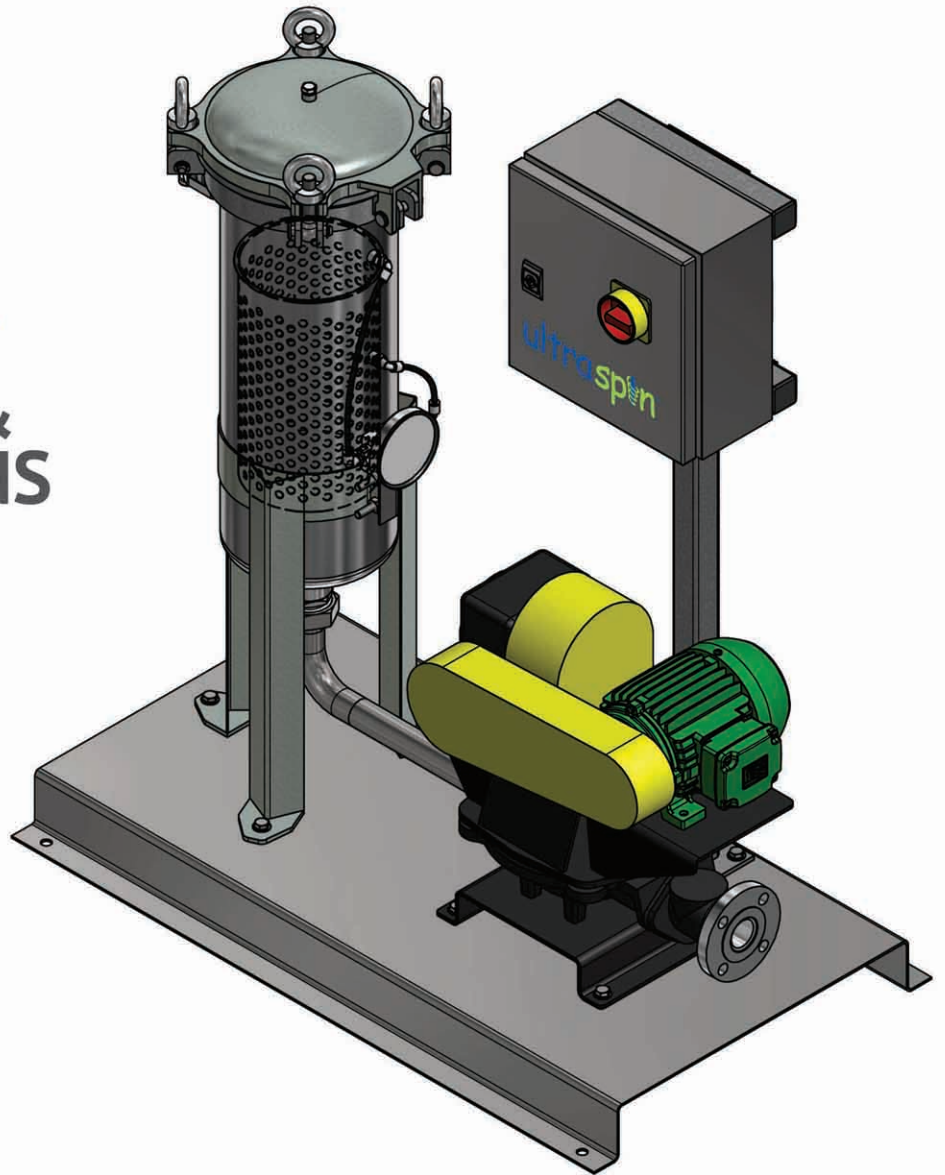


The skimmer is placed in a pit that contains gross or free-floating oil, and connected to an electric pump via a hose. As oil and water is skimmed from the top layer of the pit, it is sucked through the debris strainer. All debris within the flow that is greater than 9mm is caught in the strainer basket – eg. leaves, ear plugs, gloves, insects etc. The collection of this debris prevents it from passing through the system and causing blockages or damage to downstream equipment.

The oily water is then pumped at an appropriate flow rate towards the middle of the collection tank. This allows the oil to float to the top whilst the water sinks to the bottom, causing minimal disruption to the oily water already stored in the tank. As more oily water is pumped into the tank, water collected at the bottom is displaced through the decant tank's piping system. This water is then returned to the original collection pit for retreatment via an inclined line. The oil is left to accumulate in the tank until safe capacity level is reached. The tank is then emptied and the oil disposed of appropriately.



OIL RECOVERY DIMENSIONS & SPECIFICATIONS



DIMENSIONS

Length	1000 mm
Width	580 mm
Height	1127 mm

SPECIFICATIONS

Nominal Flow Rate	2500 L/h
Typical Fluid pH	5 – 9 pH
Temperature	2 – 45°C
Max. Inlet Particle Size (through Strainer)	9 mm
Location Classification	Indoor or Outdoor Use
Weight	130 kg Estimated max
Hazardous Area Classification	Non-Hazardous

Ultraspın Technology

46 Wadhurst Drive
Boronia, Victoria
Australia

 +61 3 9800 1100
 +61 3 9800 1661
 sales@ultraspın.com.au



www.ultraspın.com.au