OILY WATER SKIMMERS

Ultraspin surface skimmers are designed to remove oil, fats and floating material from tanks, sumps, interceptors and other effluent pits. They may also be used in open waters such as lakes, harbours and lagoons. They are a true self-adjusting, weir-type, oily water skimmer.

TWO MODELS AVAILABLE

S1 Skimmer

S2 Skimmer

✓ Self-Adjusting Skim
Surface skim-height is fully self-adjusting to take the finest cut of surface liquid despite changes in flow rate or fluid viscosity. Many competitor skimmers require constant manual adjustments – not Ultraspin’s!

✓ Operates if tilted
The Ultraspin skimmer continues to work effectively even if the skimmer tilts by a few degrees relative to the water level. Tilting often occurs in confined pits or when the suction hose is twisted. Many other skimmers will not function if the skimmer tilts by even a few degrees.

✓ Skims in all directions
Fluid is skimmed in all directions.

✓ No moving mechanical parts
This makes our skimmers suitable for unmanned operation or difficult access locations. It also reduces painstaking, labour-intensive maintenance, and reduces the costs associated with manning and maintenance.

✓ Tethering Eyebolt
Stainless steel tethering eyebolts are included on all Ultraspin Skimmers, making it easy to move the skimmer and position it within a certain area of the pit or tank.

✓ Other Features
The skimmers can be supplied with hose kits and hose floats. This skimmer is specifically designed for use in tanks and pits.

For detail on the S1 and S2 models, please refer to the skimmer drawings.
The main components of the Ultraspin skimmer are a floating central ring, a flexible bellows and a floating body assembly. The floating central ring, shaped like a doughnut, sits in the centre of the skimmer. A bellows forms a sealed chamber between the skimmer body and central ring. The flexibility in the bellows allows the ring to float independently of the skimmer body; this gives the skimmer its ability to self-adjust. The ring floats on the fluid in the pump-out chamber on the inside of the bellows. The body of the skimmer holds the components together and provides the floatation for the assembly.

A hose and pump can be connected to the skimmer outlet. As the fluid is pumped away, the floating ring sinks, thus allowing fluid to flow over the top, like a weir, and into the pump-out chamber. As the flow is increased, the ring sinks deeper into the fluid so that more fluid passes over the top of the ring and into the pump-out chamber. This is what makes the skimmer fully self-adjusting.

**TYPICAL APPLICATIONS**

- Oil skimming from effluent collection pits, tanks, interceptors, etc.
- To provide a skimmed feed to oily-water treatment systems such as Ultraspin separators, coalescing plate separators and DAF separators.
- Emergency response oil spill clean-up on open waters such as lakes, rivers and harbours.
- Oil terminals, fuel storage sites.

For more information on how our skimmer works, check out our YouTube channel.
SKIMMERS IN ACTION

☑️ OPTIONS

The Ultraspin Oil Skimmers can also be supplied with trashscreens, hoses and hose floats.

Trashscreen

Suction Hose

Hose Float

Ultraspin Technology
46 Wadhurst Drive
Boronia, Victoria
Australia

+61 3 8841 7200
sales@ultraspin.com.au

www.ultraspin.com.au