



Remove Tramp Oil to Extend the life of Coolant and Wash Solutions

Oil contamination issues often result in downtime, maintenance, bacteria growth, and costly replacement of coolants and wash water. In certain applications, proper removal of tramp oil can prove difficult due to limited access to the sump.

For applications like these, where limited space or access doesn't allow for the installation of a Brill® tube-type oil skimmer, Oil Skimmers, Inc. has developed the CoolSkim.

The CoolSkim uses a floating weir skimmer with a pump to bring a continual flow of liquid from the sump to the separator. The solution flows through a coalescing media pack to facilitate oil separation and oil rises to the surface, forming two distinct layers. The oil flows down an adjustable weir funnel and drains to a collection vessel. Clean coolant is returned to the coolant system.

The use of the CoolSkim to remove tramp oils is beneficial in every phase of coolant or wash water use, treatment, and disposal. It is effective for all size reservoirs and has demonstrated that it can extend the life of coolants, machine tools, and wash solutions.



The CoolSkim is an oil water separator and coolant coalescer that efficiently and effectively removes tramp oil from coolant systems and parts washers to:

- Extend the life of coolants and wash water
- Avoid frequent, costly coolant replacement and spent coolant disposal charges
- Eliminate the source of bacteria growth to keep employees safe and prevent foul odors
- Extend the life of machine tools by using cleaner coolant
- Improve the finishing process and the performance of washed parts by using cleaner wash solutions
- Decrease the need for chemicals or detergents in wash solutions

How does it work?

The CoolSkim Oil Water Separator is an efficient and effective coolant and wash water management system that removes tramp oil from the surface of coolant sumps and parts washers, extending the life of coolants and wash water, and eliminating bacteria growth in the sump.

COLLECTION

An optional, submersible electric, or air-operated double diaphragm pump brings a continual flow of the contaminated liquid from the coolant or wash water sump into to the Coolskim unit.

SEPARATION

The solution flows into the CoolSkim and through the coalescing media pack to accelerate separation. Free oil rises to the surface, forming a distinct layer, and it is captured and drained away using an adjustable surface funnel. The funnel can be set to varying heights to dictate how much of the surface oil flows to the oil discharge port. The oil gravity drains to a collection vessel and oil-free water or coolant is returned to the application.

- **Rugged, stainless steel construction**
Built to last in harsh environments
- **Adjustable Funnel Weir**
Height of the funnel shaped weir can be fine tuned to your application by taking a larger or smaller cut of the surface oil inside the unit
- **Floating 3-Ball Weir Intake**
Brings the surface oil from sump in to the CoolSkim
- **Intake Stabilization**
Intake liquid balancing valve to prevent pump from running dry and hose float keeps the intake weir level
- **Air or Electric Pumps**
Electric/submersible or air-operated double diaphragm pumps are available
- **Small Footprint**
Standard unit measures 22" (L) x 6" (W) x 16" (H)
- **Portable**
Can be mounted on a cart for easy movement from one machine or sump to another
- **Removable Coalescing Media Pack**
Easily remove the coalescing pack for simple cleaning and maintenance
- **Easy to Install and Maintain**
With very little setup, the CoolSkim is ready to go to work, out of the box



Coalescing Media Pack

The coalescing media pack facilitates oil separation, making oil rise more quickly and easily. The coalescing media pack is removable for easy maintenance and cleaning.



Coolskim®

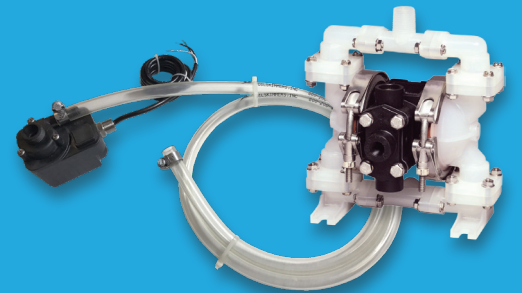
OIL WATER SEPARATOR

The CoolSkim is comprised of a stainless steel tank (fittings and valves pre-assembled), baffles, adjustable internal weir, and a see-through removable lid. The following options are available:



Floating 3-Ball Weir Intake

Brings the surface oil from sump in to the CoolSkim



Air or Electric Pumps

Electric/submersible or air-operated double diaphragm pumps are available