

ESS™ Enclosed Skimming System

The ESS™ Enclosed Skimming System is a complete oil removal solution that is enclosed to protect the skimming components from wind or weather, harsh environments indoors or out, prevent tampering, address aesthetic and environmental concerns, and enclose any leaks or drips. If the application requires, the ESS can be completely sealed and gasketed to contain Volatile Organic Compounds (VOCs) from escaping into the environment.

The ESS comes completely assembled and ready to install and can be constructed out of a variety of materials, including carbon steel (primed and painted), stainless steel, and aluminum.

It is the ideal solution for applications that require aesthetically pleasing environments, containment of moving parts, protection from external conditions, or to perfectly fit atop tank openings or manways.



The ESS™ Enclosed Skimming System is comprised of three main components:

System Core

The System Core is made up of a fully enclosed hood, a Brill® tube type oil skimmer, an access door, an oil/water decanter, and a motor controller.

Brill® Oil Skimmer

The workhorse of our oil skimmer family and the heart of the ESS. The free-floating collector tube continuously picks up oil and the skimmer can run 24/7, unattended.

Access Door

Allows for easy access, maintenance, and observation. The door can be customized to be bolted on, hinged, lockable, and windowed, depending on the application.

Oil/Water Decanter

Ensures the least possible percentage of water in the collected oil. It returns water to the source so only oil moves to the collection vessel. Angled decanters can be used to guide the skimmer tube into narrow openings like manways.

Controller

Controls main power and functions of the ESS system. This includes system power, timers, and heating elements.

Height Extension

If needed, the extension adds necessary height to the ESS so recovered oil can easily gravity drain into a collection vessel. It is customizable and can be made to any height the application requires. Some applications may not require the addition of an Extension.

Adapter Plate

In certain applications, the Adapter Plate allows the ESS to fit perfectly on an existing manway or opening. Like the Extension, the Adapter Plate is also customizable and is made to fit the existing opening and even bolt pattern for each specific application.



ESS[™] Enclosed Skimming System

The ESS[™] from Oil Skimmers, Inc. is an enclosed oil skimming system, comprised of a Brill[®] tube type oil skimmer, built-in oil/water decanter, and motor controller.

The skimmer and decanter are housed inside an enclosure that can be completely sealed and gasketed to contain Volatile Organic Compounds (VOCs) from escaping into the environment. Enclosing the skimmer protects it from the elements indoors or out, keeps workers safe, prevents tampering, and addresses aesthetic and environmental concerns.

Easy Installation and Maintenance, Customized for Your Application

The ESS comes completely assembled and ready to install. The unit can be made to fit any opening, including manways on top of tanks. The enclosure features a hinged, lockable access panel. As an option, the access panel may include an observation window for clear viewing of the oil skimmer.

The system comes pre-wired and ready to go with a controller to power to the oil skimmer. The controller can also be used to house components for heat, timers, tank level switches, pumps and more.



ESS[™] features and benefits:

- Brill[®] tube type oil skimmer with Free-Floating Collector Tube[™]
- Can be completely sealed and gasketed to contain VOCs
- Enclosure keeps workers safe, is aesthetically appealing provides protection from harsh conditions, or tampering
- Hinged, lockable access panel with window for easy inspection, access, and maintenance
- Customized mounting flange to fit the access to the application
- Built-in decanter ensures least possible percentage of water in recovered oil
- Controller houses components for system power, timers, heating elements, indicator lights, tank level switches, and more
- Continuous oil removal at temperatures as low as -40° with winterization
- Arrives completely assembled and easy to install
- Available with explosion proof electrical components