



Model SOCMP
Sand-Oil Interceptor
(Precast Concrete)

OilTrooper®

Eco-Friendly Solution for Wastewater Management

The OilTrooper® Oil-Water Separator (Sand-Oil Interceptor) is typically used in a variety of industrial and commercial applications to remove sand, grit, oil, and other contaminants from wastewater before it is discharged into a municipal sewer system.

The interceptors utilize a patented system that separates sediment and hydrocarbons from water. As the wastewater moves through the multi-chambered baffles, the heavier sand sinks, while the oil rises to the top of the unit, allowing clean water to move through the separator.

The OilTrooper® guarantees reduced maintenance costs and ensures compliance with regulatory codes and effluent water quality standards. An automatic monitoring system eliminates costly and time-consuming manual intervention and capacity assessment.

Applications

Automotive repair shops • Car wash facilities • Gas stations • Parking lots • Industrial facilities



Advantages

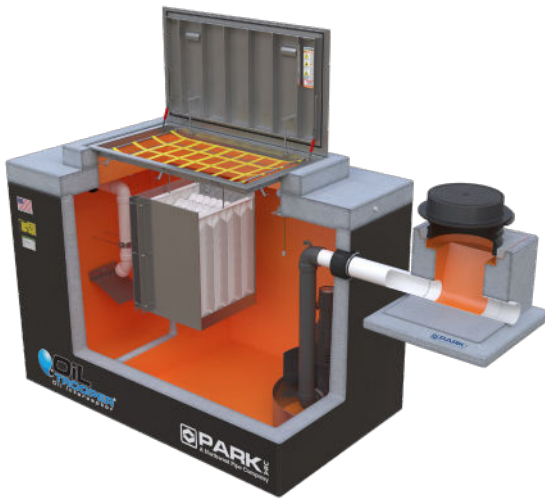
- Patented technology removes oil, grit, and sand from wastewater
- Remote maintenance alarm notifies operator of full capacity
- Above or below grade installation
- Pedestrian or traffic rated
- Meets all building codes
- Low and easy maintenance
- UPC listed and approved



Model AQS
Oil-Water Separator (Fiberglass)



Model SOCMP
Sand-Oil Interceptor (Steel)



System Components

Sensors: Internal sensors continually monitor the water level inside the unit.

Control Panel: An exterior NEMA 4X intrinsic-safe control panel includes internal tank sensors and a high oil/leak detection system. The unit electronically notifies the operator of unit status and capacity.

Containment Vault: The shell of the unit can be constructed from precast concrete, fiberglass, or steel. Model names and configurations vary by material.

Coalescing Media Pack™: Engineered coalescing media pack designed for advanced oil separation.

How It Works

The OilTrooper® Oil-Water Separator (Sand-Oil Interceptor) utilizes a two-stage treatment process. In the first stage, wastewater enters the interceptor through an inlet pipe. The water hits a corrugated diffusion plate which slows the water's velocity. This causes heavy solids to settle and oil to rise to the surface.

In the second stage, the wastewater passes through the Coalescing Media Pack™ (CMP), which progressively separates finer solids and smaller oil droplets. The heavy solids are separated and settle to the basin bottom. Before exiting the separator, wastewater hits an oil dam, which prevents any collected oil from entering the outlet piping. An oil stop valve at the exit piping guarantees oil-free wastewater discharge.



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