



SOLIDS INTERCEPTOR OIL SEPARATOR (SIOS)

Cost-effective, packaged solids interceptor and oil separator system for wash bay and most industrial wash effluents.

OVERVIEW

Enviro Concepts Solids Interceptor Oil Separator systems (SIOS) are cost-effective, easy to operate packaged systems designed for efficient removal of suspended solids and oil/grease from wash bay and most industrial wash effluents.

These skid mounted systems are pre-engineered, pre-assembled and factory tested minimising site installation and start-up time.

The SIOS range collects wastewater from a washpad gutter or inground sump and puts it into the solids interceptor tank to settle most of the suspended solids. The clarified wastewater then gravity flows to the oil-water separator to remove oils and grease. Treated water is then discharged as trade waste (sewer) and the settled solids are drained back to the gutter for easy collection and disposal.

APPLICATIONS

Wastewater Treatment for Wash Bay and Industrial Wash Effluents, including:

- Car and Light Wash Facilities
- Heavy Vehicle Washdowns
- Mechanical Workshop Effluent Treatment
- Mine Vehicles and Equipment Wash Effluent



**Council Compliant
Across Australia**

FEATURES

- Skid Mounted (Hot Dip Galvanised)
- Solids Interceptor Tank
- Oil-Water Separator
- Diaphragm Pump
- Oil and Sludge Drain
- Simple utility connections
- Easy to operate, low cost maintenance.

OPERATING LIMITS

Feed Water Source:	Industrial Parts & Vehicle Wash Bay Effluent
Flow Capacity:	SIOS 25: 25L/min SIOS 50: 50L/min SIOS 100: 100L/min
Dimensions:	(SIOS 25) 2.3m x 1.1m x 2.5m (h)
Dry Weight:	Approx. 150kg
Power Requirements:	Single Phase - 3 Amp
Solids Interceptor Tank:	(SIOS 25) 1,000 Litre Polyethylene Construction
Oil Water Separator:	(SIOS 25) 25 L/min, Gravity Flow, Polyethylene Construction
Diaphragm Pump:	(SIOS 25) 25L/min, Single phase, 3 Amp with Level Switch
Sludge Drain:	Common manifold with associated hand valves
Skid Mounted:	Hot Dip Galvanised
Operating pH:	6 to 10 pH
Operating Temperature:	Below 40 deg C
Particle Size:	Maximum of 1.0mm
Suspended Solids Reduction:	Up to 90%
Fats, Oils and Grease Reduction:	Up to 90%
Options & Extras:	Large Capacity Solids Interceptor Tank Transfer Pit

