



# OIL WATER SEPARATOR (OWS)

Compact, industrial oil water separators engineered for low-flow, high oil and grease applications.

## OVERVIEW

Enviro Concepts Oil Water Separator (OWS) range includes coalescing plate, or tube separators. They are suitable for vehicle wash bay and industrial wash effluents.

All OWS units are pre-engineered, pre-assembled and factory tested minimising on site installation and start-up time ensuring reliable operation.

Enviro Concepts OWS range features a removable and uniquely designed cross flow non-plugging coalescing plate packs which maximise oil and grease removal (up to 95%). The OWS design is versatile enough and can be installed as a “stand alone” treatment or as a primary treatment in a complete wastewater treatment or recycling system.

## APPLICATIONS

- Water Recycling Pre-Treatment
- Wastewater Pre-Treatment for High BOD, COD, Fats and Oil Applications
- Treatment for Industrial Wash Effluents
- Mine Vehicles and Heavy Equipment Wash
- Car and Light Vehicle Wash Facilities
- Storm and Ground Water Treatment
- Logistics and Hire Companies
- Quarantine and Weed/Seed Hygiene
- Abattoirs, Meat and Fish Processing
- Restaurant and Hotels
- Grease Trap Treatment
- Energy Suppliers

## FEATURES

- Stand Alone, Skid Mounted or Containerised
- Stainless Steel Construction
- Compact Size
- Above Ground
- Oil and Sludge Drain
- Easy Operation and Maintenance
- Easy Cleaning Removable Coalescing Plate Packs
- No Moving Parts, No Power Consumption
- No Chemicals or Consumables

## SPECIFICATION

Type	Coalescing Plate or Tube Separator
Model	OWS-30: 30L/min; OWS-50: 50 L/min; OWS-100: 100L/min
Feed Water Source	Industrial wash effluent, wash bay effluent
Oil Type	Gasoline, Diesel, Lubricant, Grease
Flow Capacity	10 - 100 L/min
Dimensions	Up to 1490mm x 1410mm x 680mm
Dry Weight	Up to Approx. 150kg
Material of Construction	Stainless Steel
Fats, Oil & Grease Concentration	2,000 mg/L (max)
Suspended Solids Concentration	1,500 mg/L (max)
Oil Droplet Diameter	10 to 100 $\mu\text{m}$
Operating pH	6 to 10 pH
Operating Temperature	Below 40 deg C
Fats, Oils and Grease Reduction	up to 95%
Inclusions/Options	Outlet Sump Pit, Submersible Pump, Float Switch

