

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.

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

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

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 µm
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

