

AJM[®] EnviroSEP[™] Unit

Oil/Water Separation



Features

With many superior features and an extensive range of capacities, the AJM® EnviroSEP™ unit leads the way in world oil technology.

Substations

Transmission Stations

Fuel Storage Bunds

Tank Farms

Refueling Bays

Mine Sites

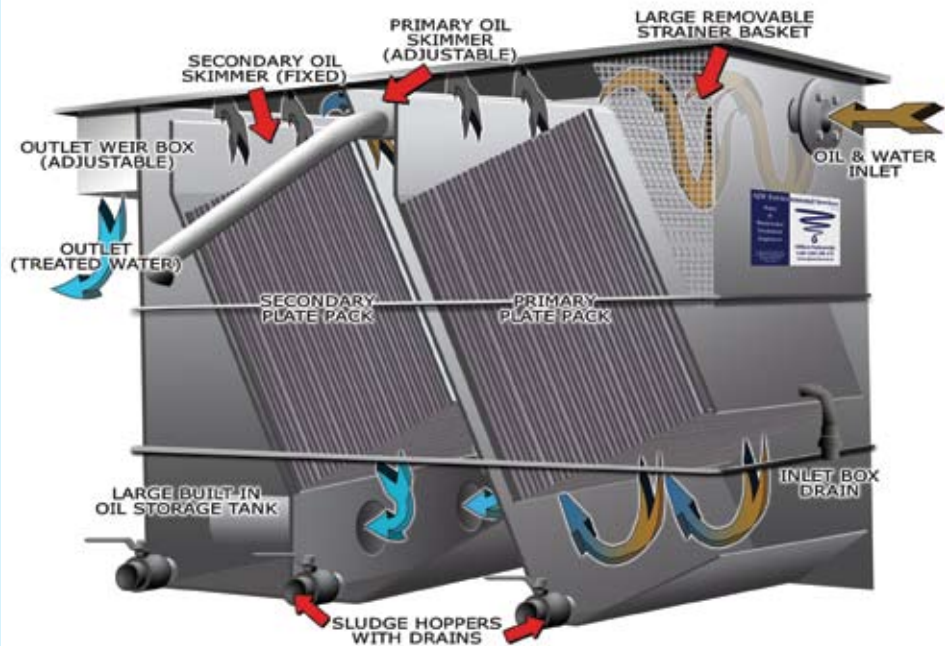
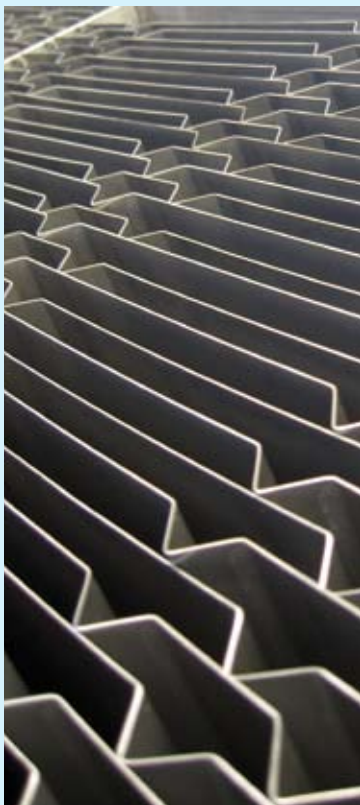
Power Stations

Service Stations

Depots

Terminals

Refineries



Outstanding Performance

The AJM EnviroSEP™ unit is designed to remove all free oil from contaminated streams to comply with the most stringent of discharge requirements. Typically no more than 5mg/L of oil will remain with no visible sheen.

Two-Stage Plate Pack

Eimco Water Technologies' unique two-stage plate pack ensures high performance at all times. The first stage is designed to remove gross slugs of oil followed by the secondary polishing stage that removes any remaining droplets. This ensures that the treated water is free of all traces of free visible oil.

Stainless Steel Plate Pack

The plate packs are fabricated in flat stainless steel sheet configured to maximise coalescing of oil droplets. The plate pack will never warp, or corrode, ensuring performance for the life of the unit.

In-Built Oil Tank

All Eimco Water Technologies' AJM EnviroSEP units are designed with an internal oil tank preventing the need for unsightly drums or other containers to collect the removed oil. The integrated oil tank control system also acts as a shut off mechanism to prevent failure in the event of neat oil entering the unit.

Solids Removal Facilities

All models are fitted with several drainage points to facilitate cleaning and solids removal. Unlike many other units, the cleaning process does not require our AJM EnviroSEP units to be fully drained nor does the plate pack ever need to be removed.

Pre-screening Facility

The inlet strainer basket, supplied as standard in all AJM EnviroSEP units, is designed to prevent any possibility of plate pack blockages. The strainer can easily be removed for cleaning.

Quality Construction

All of the AJM EnviroSEP units are manufactured in stainless steel. High grades of stainless steel are available to suit more corrosive applications.



Designed and built with uncompromised quality and performance.

- The AJM EnviroSEP unit is designed to remove oil from storm water and is unmatched in quality and performance.
- Thousands of AJM EnviroSEP unit installations worldwide.
- All stainless steel construction including the plate pack and integral oil tank.
- Experience in all industrial sectors including refineries, terminals, power stations.
- Capacities ranging from 1KL/hr to 100KL/hr fabricated as pre-assembled, pretested units.

Sizes and Models*

Model	KL/hr	L	B	H
AJM EnviroSEP1000	1	1060	530	1250
AJM EnviroSEP2500	2.5	1380	850	1410
AJM EnviroSEP7500	7.5	2200	980	1175
AJM EnviroSEP10000	10	2290	980	1390
AJM EnviroSEP15000	15	2100	1870	1175
AJM EnviroSEP20000	20	2290	1820	1390
AJM EnviroSEP30000	30	3230	1820	1390
AJM EnviroSEP45000	45	3230	2740	1390
AJM EnviroSEP60000	60	3230	3660	1390
AJM EnviroSEP100000	100	3230	4580	1390

*Dimensions and capacities are only a guide and are subject to change. Please confirm with your local Eimco Water Technologies representative prior to using the above.

Industries

If your industry is included on the list, it is likely there will be several uses for an AJM EnviroSEP unit on your site. AJM EnviroSEP units can be used in a multitude of industrial wastewater and storm water treatment applications.

At petroleum refineries, the AJM EnviroSEP unit is an ideal process tool for pretreatment of wastewater prior to other physical, chemical and biological treatment methods, allowing removal and recovery of free oil.

At mine sites and power stations, the unit is commonly used for free oil removal from process water, heavy vehicle and equipment washdown and storm water run off. The AJM EnviroSEP unit has proven to be an ideal system for

the treatment of water collected in oil contaminated bunds at depots, terminals and substation switch yards.

The AJM EnviroSEP unit and all of its components are designed and manufactured in Australia. All equipment and materials selected are extremely reliable and of the highest quality to withstand outdoor installations, often in remote and unattended locations.

Eimco Water Technologies are specialists in the design and construction of custom built systems including containerized oil separators.

The AJM EnviroSEP unit was designed by mechanical and chemical engineers, with many

years of experience in the petrochemical industry. The design encompasses many features to maximize the performance of the unit. These include: laminar flow conditions achieved by specially designed inlet distribution baffles; uniform distribution throughout the oil separator plate pack; materials that attract oil and encourage coalescing and angling the plate pack 60 degrees to maximize solids removal and reduce maintenance.

The AJM EnviroSEP unit is fitted with a major spill protection cut off security system which, following a major spillage, automatically stops the feed to the unit within a matter of minutes. This feature ensures optimum performance under any influent conditions.



There are numerous applications for the AJM EnviroSEP unit in a wide range of industrial operations, including the pretreatment of process water and the removal of oil from storm water.