

OIL WATER SEPARATORS (OWS)

Oil Water Separators (OWS), also known as coalescers, are effective for the continuous flow separation of non-emulsified free oils and other immiscible liquids. Since free oil can be a problematic contaminant for other treatment equipment, it is important to remove as much as possible before further treatment. An OWS can remove up to 100% of free oil larger than 20 microns.

HOW IT WORKS

An OWS uses a specialized oleophillic media pack that attracts oil and repels water. As the waste stream enters the tank, the oil agglomerates on the media pack as the water passes through. The oil agglomerate grows in size on the media pack until it eventually detaches and floats to the surface. The water portion of the waste goes through the media and then through a series of baffles to ensure a clean effluent. The oil that floats is skimmed from the surface.

FEATURES & BENEFITS

- Typical effluent contains less than 10 ppm free oil
- Reclaimed oil typically has less than 1% water content
- Oleophillic media able to handle high temperature
- Open tube media design allows any solids to settle to the bottom of the tank, which prevents media plugging
- Adjustable weirs make fine tuning very simple
- Construction options include coated steel, stainless steel, or polypropylene
- EPS Wastewater can custom fabricate to any desired size
- EPS Wastewater can provide the entire wastewater treatment system around the OWS
- Flow ranges from 5 - 1750 GPM



APPLICATIONS

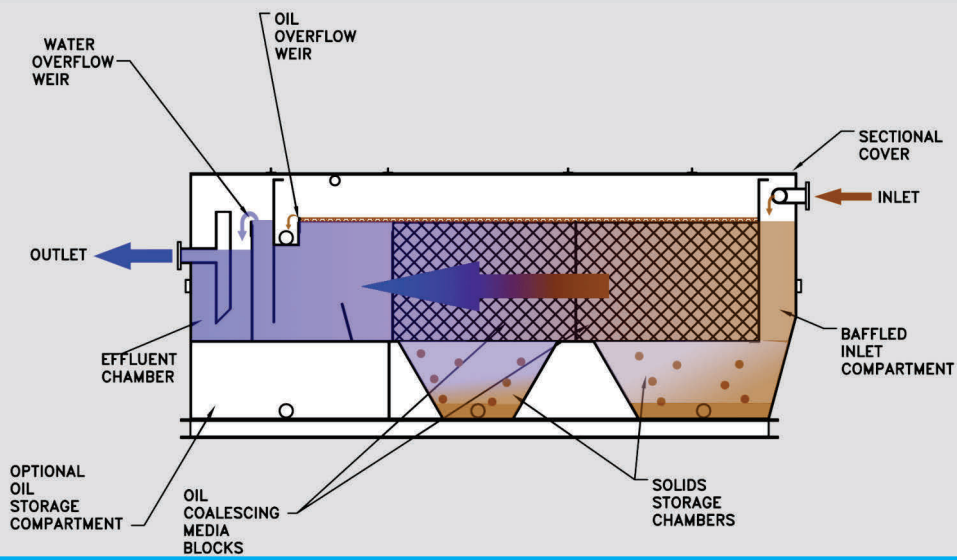
- Metals manufacturing and processing
- Automotive parts manufacturing
- Environmental remediation
- Railroad repair yards
- Airports and aircraft services
- Power plant operations
- Petroleum refineries
- Chemical processing
- Machine coolant recycle



Our mission is to deliver wastewater treatment equipment and solutions that effectively and economically address the needs of our customers.

OUR FULL LINE OF TECHNOLOGIES INCLUDE:

- Inclined Plate Clarifiers (IPC)
- Multi-Media Filters (MMF)
- Ultrafilters (UF)
- pH Adjustment Systems
- Pump Skids
- Control Panels
- Dissolved Air Flotation (DAF)
- Oil / Water Separators (OWS)
- Batch Treatment Systems
- Skid Mounted Equipment
- Filter Presses
- Flash Mix and Flocculation



SIZING CHART

Model	Overall Length	Overall Width	Overall Height	Surface Coalescing Area (ft ²)	Design flow rate (GPM)
OWS10	4' - 8"	1' - 5"	3' - 0"	220	10
OWS20	4' - 8"	2' - 6"	3' - 0"	440	20
OWS30	4' - 8"	3' - 5"	3' - 0"	660	30
OWS50	9' - 0"	3' - 10"	5' - 2"	1320	50
OWS75	9' - 0"	4' - 10"	5' - 2"	1760	75
OWS100	9' - 0"	6' - 10"	5' - 2"	2640	100
OWS150	9' - 0"	5' - 10"	7' - 2"	4400	150
OWS200	10' - 0"	6' - 11"	7' - 2"	5280	200
OWS250	10' - 0"	8' - 11"	7' - 2"	7040	250
OWS300	10' - 0"	9' - 11"	7' - 2"	7920	300
OWS350	14' - 0"	6' - 11"	7' - 2"	10560	350
OWS400	14' - 0"	7' - 11"	7' - 2"	12320	400
OWS500	14' - 0"	8' - 11"	7' - 2"	14080	500
OWS600	14' - 0"	9' - 11"	7' - 2"	15840	600
OWS750	14' - 0"	8' - 11"	9' - 6"	21120	750
OWS1000	19' - 1"	9' - 11"	9' - 8"	15000	1000
OWS1250	19' - 1"	7' - 11"	11' - 8"	16800	1250
OWS1500	23' - 0"	8' - 11"	11' - 8"	21500	1500
OWS1750	24' - 0"	11' - 11"	11' - 8"	33900	1750

