

OWS-400 Oil/Water Separator



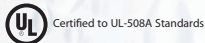
ESD Waste²Water, Inc. manufactures a complete line of above ground, enhanced corrugated plate Oil/Water Separators designed to remove free and dispersed non-emulsified oil and settleable solids in accordance with API 421-90 @ flow rates up to 400 GPM. Typical applications are groundwater treatment, equipment / vehicle washing and bulk storage facilities.

Standard Features:

- 5052 H32 marine grade aluminum
- Adjustable rotary skimmer
- High level switch
- Inlet diffuser for even distribution
- Clarifier chamber with manual drain
- Hydrostatically tested
- Pre-operation tested
- Forklift slots
- Removable media
- Removable access panels

Available Options:

- Stainless steel construction
- Skid mounted, custom enclosure or custom building
- Level controls and pump out
- Filter vessels
- Liquid phase carbon vessels
- Custom control panel
- NEMA rated heaters
- Low point drains
- Tank vents
- External product storage
- Sight glass
- Vents



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Each unit shall conform to the following specifications:

Installation: Above Grade

Design Flow: Adjustable up to 400 GPM

Maximum Operating Temperature: 130° F

Separator Operating Capacity: 2,840 Gallons

Total Operating Weight: 26,200 lbs.

Materials:

All pipes and fittings are Sch. 80 PVC

All flanged tank connections are 150 lb. flat face flanges

Tank will be constructed with isophthalic resin inside

Nozzles:

Inlet Two (2) 8"Ø, Flange

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Oil Outlet Two (2) 6" Ø, NPT

Drains Six (6) 2"Ø, NPT

Inlet Chamber:

1'-5" long x 8' wide, complete with inlet baffle and diffuser

Coalescing/Separation Chamber:

5' long x 8' wide, packed with vertically positioned matrix of perforated polypropylene oleophilic tubes, complete with sludge collection zone below tubes

Oil Sheen Baffle:

4" high x 8' long, located before effluent weir wall

Effluent Chamber:

2' long x 8' wide chamber, complete with weir wall, adjustable weir plate, and 8"Ø T-pipe which allows effluent discharge from bottom of chamber

