

## Enhanced Oil/Water Separator



**ESD Waste<sup>2</sup>Water, Inc.** manufactures a complete line of above ground corrugated plate enhanced oil/water separators. The separators are designed to remove free and dispersed non-emulsified oil and settable solids in accordance with API 421.

All of the **ESD Waste<sup>2</sup>Water, Inc.** oil/water separators are manufactured out of 5052 H32 marine grade aluminum or stainless steel.

### Typical applications:

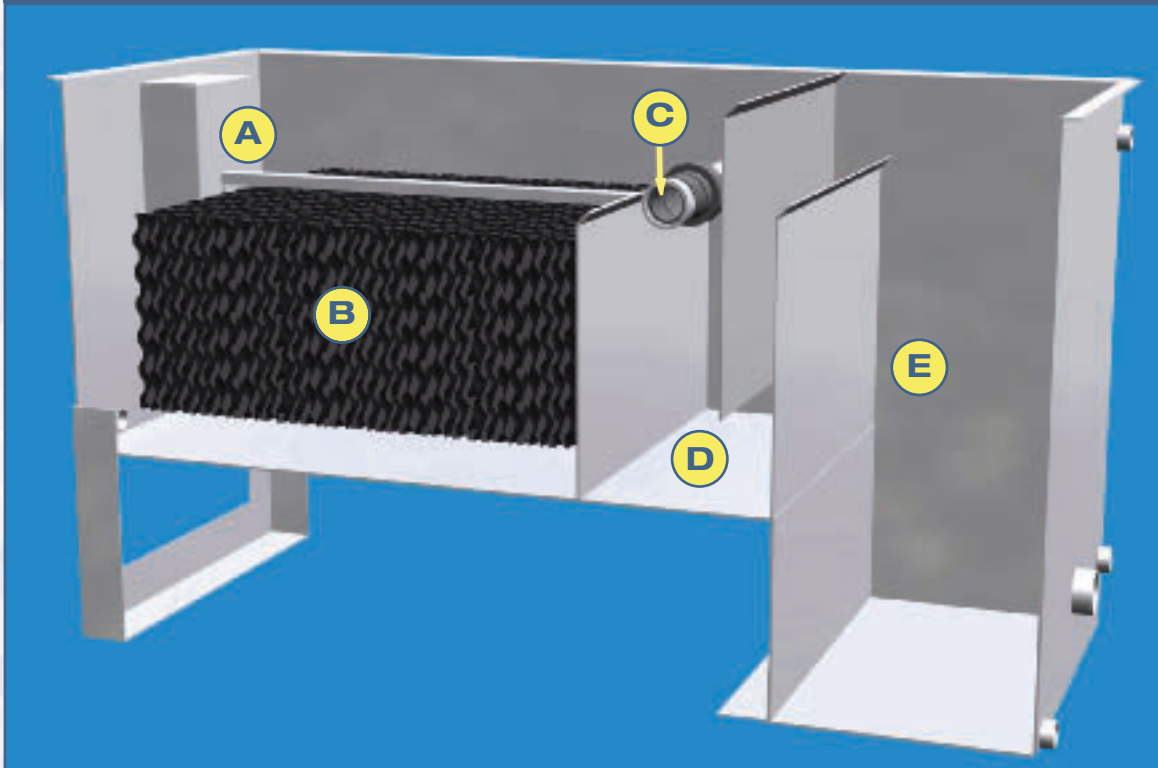
- Groundwater Treatment
- Equipment and Vehicle Washing
- Aircraft Maintenance Operations
- Oil Field Services
- Food Processing
- Storm Water Runoff
- Floor Drains
- Bulk Storage Facilities



Certified to UL-508A Standards



## Enhanced Oil/Water Separator Diagram



- A Inlet Compartment**  
The inlet compartment is equipped with a non-clogging diffuser to ensure the untreated water is distributed evenly to the separation chamber. The inlet compartment is designed to ensure no short-circuiting is encountered.
- B Separation Chamber**  
The separation chamber is equipped with inclined parallel plate media for enhanced oil/water separation. The flow through the media is in a cross-flow configuration. This allows for the oil to rise without interfering with falling solids. The plates are installed to allow for easy dismantling, cleaning and re-installation.
- C Oil Collection**  
The separated oil is collected at the end of the separation chamber via a rotary skimmer. The rotary skimmer is easily adjusted for optimum oil collection.
- D Clarifier**  
The clarifier is located after the separation chamber prior to the clean water chamber. The clarifier is equipped w/ a manual drain to facilitate the removal of collected solids.
- E Clean Water Chamber**  
The water will pass through the clarifier and into the clean water chamber. The clean water chamber allows for either gravity or pump discharge.

