



Aboveground Oil/ Water Separator



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A Cost Effective Way to Manage Oil Spills

Separation By Design, Inc.'s patented Aboveground Oil/Water Separator began as way for petroleum bulk plants and terminals to safely and inexpensively dispose of rain water trapped within containment walls. Due to its success and versatility, the Oil/Water Separator's uses grew to include material handling facilities, refineries, utilities, petro chemical plants, military installations, tank farms, warehouses with loading docks, and more.

This unique product can be used as part of a spill control prevention plan. Or, where spills are known to occur, it can be used as a way to save significantly on disposal costs.

Efficiently Clean Up Spills

Use this proven method for clean-up of water contaminated by greases, oils, lubricants, or gasoline.

- 3rd party independently tested in laboratory.
- Controlled flow rate ensures oil particles aren't missed.
- 95% suspended solids retention.
- Average effluent less than 5 ppm.



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Cost Effective

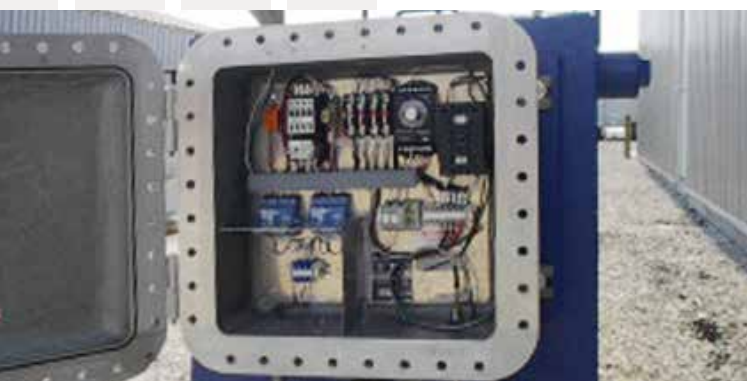
Dramatically save over other disposal methods.

- Avoid EPA disposal fees.
- Portability lowers initial investment costs (over in-ground solutions), allows the unit to be used in various locations, and maintains its resale value.
- Unit can be rented out for additional income.

Application & Usage

SBD's Oil/Water Separator can be used anywhere where contained water can be contaminated with oil:

- Bulk Oil & Fuel Terminals
- Material Handling Facilities
- Refineries
- Utilities
- Petro Chemical Plants
- Military Installations
- Tank Farms
- Loading Dock Areas
- Elevator Shafts
- Flood & Other Disasters



Low Maintenance

Let the Oil/Water Separator do the work for you.

- Automatic start and stop.
- Controlled flow rate requires less monitoring.
- Visual alarm shows when oil containment area is full.
- Optional phone modem alerts remote location when containment area is full.
- Thermostatically controlled heater prevents freezing.
- Elevation is not of concern when discharging.

Safe to Use

Every detail was considered to ensure safe disposal.

- Explosion-proof diaphragm pump minimizes oil agitation.
- UL listed electronics are intrinsically safe for Class 1: Groups A, B, C & D and Class 2: Groups E, F & G.
- Other electronics are available for other applications.
- Log out, tag out panel prevents tampering.
- Automatic shutdown to prevent overflows.

Contact us today to discuss how to satisfy your oil disposal needs in a way that's both smart and affordable.





Product Specifications



Standards & Approvals:

- Patent # US 7,445,704 B2
- Tank: UL 142 listed
- Electronic controls: UL 508/698-A listed
- Safe for: Class 1, Groups A, B, C, & D; Class 2, Groups E, F, & G
- Other electronic packages available for additional application areas



Operating Temperature:

- ???



Size & Dimensions:

- ?????



Tank Containment:

- Steel???
- Blue powder coated???
- Internal lining????



Heating & Insulation:

- Insulation????
- Heater wattage???
- Automatic thermostat
- Ambient temperature probe



Electronics:

- Single or three phase power operation
- Explosion-proof control panel



Pump:

- Explosion-proof diaphragm pump
- ? - ? GPM
- Removable pump enclosure
- Float-activated for automatic operation and shutoff



Security/Accident Prevention:

- Internal high oil level sensor with automatic shutoff
- Visual alarm
- Optional phone modem for remote alarm notification
- Lockout tag out panel
- Explosion proof pump & electronic controls



Vents:

- Emergency Vent
- Normal Vent



Filters:

- Influent pickup tube with screen
- Trash receptor screen



Oil Removal:

- Patented internal coalescer
- 3rd party tested: 95% suspended solids retention and average effluent less than 5 ppm
- Effluent outlet
- Drain opening
- Oil removable opening



Installation:

- Turnkey: pre-wired and configured
- Forklift compatible



Separation By Design, Inc. has over 45 years of experience inventing creative solutions to challenges faced by businesses in the oil & gas industry. We are constantly designing and manufacturing new ways to improve the way oil, gas, diesel, DEF, and renewable fuels distributors manage their products. We are privately held and operated. This allows us to focus on our customers, not shareholders. Partner with us and find out why Separation By Design is the choice of small businesses and Fortune 100 companies alike.

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