

# Aboveground Separation Benefits



PATENT PENDING



MODERN WELDING CO., INC.

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[www.modweldco.com](http://www.modweldco.com)



# Kleerwater™ Technology

By Modern Welding Company



## Aboveground Separation...

- Turnkey unit initiates operation automatically when water is detected in containment area and shuts down when water is removed
- Solution for disposal of rain water discharge from diked petroleum bulk plants
- Patented Kleerwater™ coalescer efficiently separates oil and grease from water media
- Heating element keeps pump and tank from freezing in cold temperatures
- No elevation concerns when discharging
- Unit tested by 3rd party independent laboratory for oil, grease and suspended solids retention
  - 95% suspended solids retention
  - Average effluent, less than 5 ppm
- Unit comes with high oil sensor to activate visual alarm and will shut down system to prevent oil overfills
- Unit is portable
- Retains resale value
- Tanks are UL-142 listed and come with 1 year limited warranty

## Electronic Controls

- Electronic control panel is listed as constructed to UL 508 / 698-A intrinsically safe, for areas: Class 1, Groups A, B, C, & D: Class II, Groups E, F, & G
- Other electronic packages available depending on application areas.
- Units can be built for single or three phase power operation.
- Disconnect on panel closure allows for lockout when servicing.
- Phone modem is available for remote alarm notification.

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## Separation By Design Components

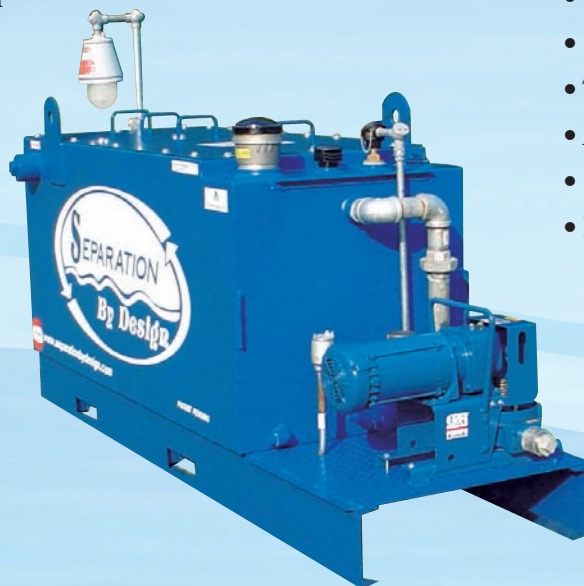
- UL-142 construction
- Removable Pump Enclosure
- Emergency Vent
- Normal Vent
- Lifting Lugs
- Channel Support Legs
- Patented Internal Coalescer
- Trash Receptor Screen
- Removable Covers
- Effluent Outlet
- Oil Removal Opening
- Drain Opening
- Explosion Proof-Control Panel
- Lock Out Tag Out Provisions
- Explosion-Proof Diaphragm Pump
- Electrical Conduits
- Float Activated Operation
- Influent Pickup Tube with Screen
- Internal High Level Sensor
- Visual Alarm
- Bayonet Heating Element
- Themostatically Controlled Heater
- Ambient Temperature Probe
- Internal Lining
- Blue Exterior Paint

## Business Application

- Bulk Oil and Fuel Terminals
- Petro Chemical Plants
- Material Handling Facilities
- Military Installations
- Refineries
- Tank Farms
- Utilities
- Loading Dock Areas

## Explosion-Proof Pump

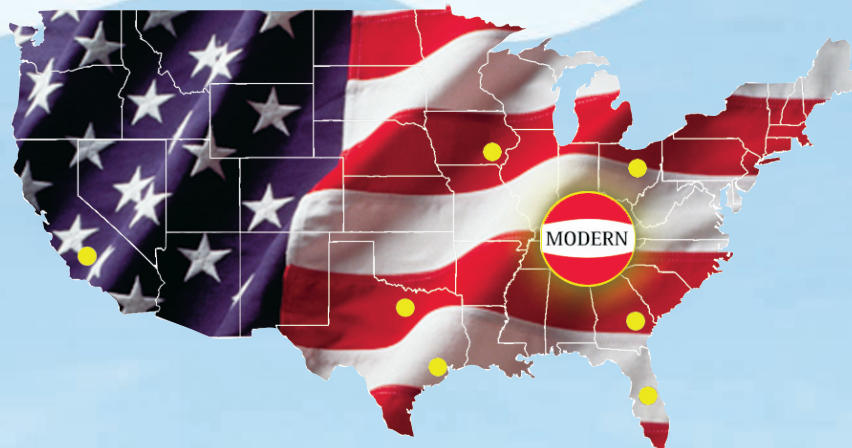
- The explosion-proof diaphragm pump is designed to minimize agitation of oil and water and provides the required flow rate to accommodate operation parameters.
- Pump operates automatically when water is detected in containment area, then shuts down when water is removed.



# Aboveground Oil/Water Separation



Kleerwater Technologies™



## MODERN WELDING SUBSIDIARIES TO SERVE YOU.

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