

RGF[®] ENVIRONMENTAL GROUP *MODEL OWS*

RGF's Advanced Oil Water Separation Systems...



ADVANTAGES

- RGF is the Recognized Leader with thousands of systems installed world wide since 1985.
- RGF has the best warranty in the business.
- RGF Customer Service is second to none which was proven by winning the 1994 INC. Magazine Positive Performer Award for Outstanding Customer Service.
- Numerous Engineered Wash Pad Designs to choose from.
- State of the art oil/water separator.
- Totally Non-ferrous -no rust or corrosion.
- UV Protected to meet National Plumbing Code for outdoor use.
- Fully automatic, easy to use, versatile.
- Free Water Analysis for the life of your system.
- Components are color impregnated & UV protected to eliminate maintenance painting.
- Over 1,200 sq. ft. of polypropylene inclined tube coalescing area on the OWS20 and over 2,300 sq.ft. on the OWS 50
- Over 3000 coalescing matrixes on the OWS 20 and over 9,000 matrixes on the OWS 50 for advanced oil removal.
- Control Panel Indicator Lights. Over Flow Protection.
- Low Maintenance.
- RGF is a Total Service Company from planning to operation. Environmental Systems are our only business.
- Removes free oil to less than 10 ppm.
- Meets EPA stormwater runoff regulation.

APPLICATIONS

The **OWS Models** of the **ULTRASORB®** Family were designed for **Oil Water Separation Applications** such as...

- Military Bases
- Bilge Pump Out
- Machinery Companies
- Marine Yards
- Truck & Tractor repair shops
- Municipal and State D.O. T.'s
- Storm Water runoff
- Bus Companies
- Fork lift repair shops
- Engine repair shops
- City / County transportation
- Rental car companies

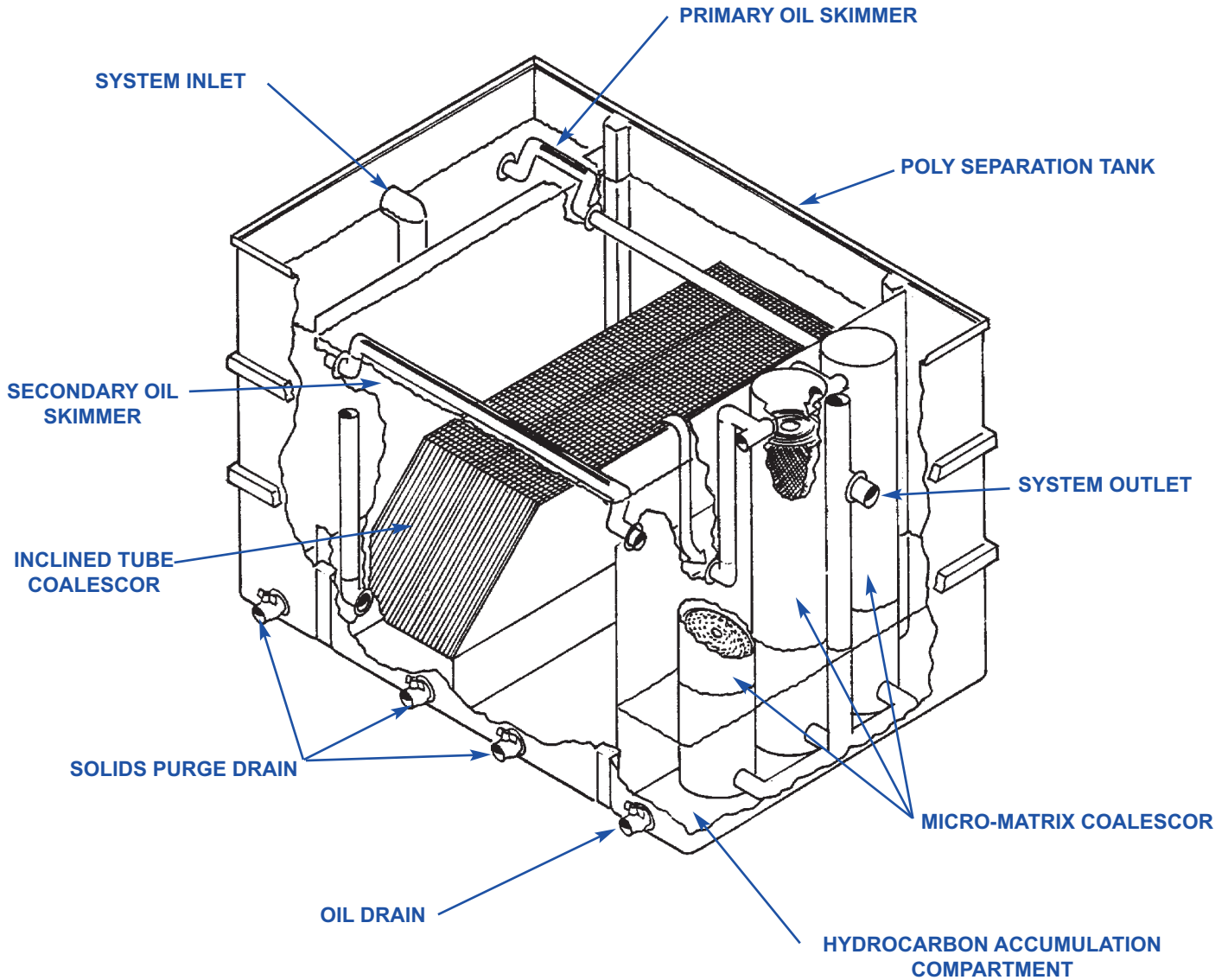
OPERATION

The patented **ULTRASORB® SYSTEM** collects contaminated source water, which typically contains...petroleum hydrocarbon (oil, grease and fuels), heavy metals, solids and cleaning fluids. The collected water is processed through the system and contaminants are removed prior to discharge.

The **ULTRASORB® SYSTEM** consists of the following technologies and processes ...

- 1 - **SOLIDS SEPARATION** (Settles large solids)
- 2 - **GRAVITY OIL SEPARATION** (Floats heavy oils)
- 3 - **INCLINE TUBE COALESCING SEPARATION** (Settles solids, coalesces, and floats oils)
- 4 - **AUTO OIL SKIMMERS** (Automatically removes free oils & grease and captures them in a storage container)
- 5 - **HYDROCARBON ACCUMULATION** (Collects petroleum hydrocarbons)
- 6 - **MICRO-MATRIX-ULTRA COALESCOR** (Polishing coalescor for low level oils)
- 7 - **OPTIONAL -TURBOHYDROZONE®** (Heavy duty ozone generation system, destroys organics)
- 8 - **OPTIONAL -COALESCING CENTRIFUGAL CLARIFIER** (Pre-treatment for heavy solids)
- 9 - **OPTIONAL -BAG FILTER SYSTEM** (Pre-filter solids from water prior to system entry)
- 10 - **OPTIONAL -pH CONTROLLER SYSTEM** (Automatically adjust pH)
- 11 - **OPTIONAL -OIL CONTENT MONITOR** (Automatically measures oil content before discharge)

MODEL OWS



MODEL OWS 50 SHOWN

SPECIFICATIONS

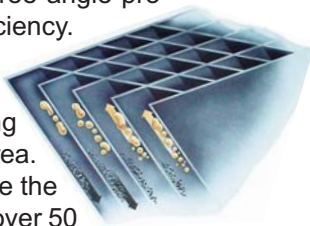
MODEL OWS 20		MODEL OWS 50	
DIMENSIONS:	26"W X 50"L X 46"H	DIMENSIONS:	76"W X 56"L X 54"H
FLOW RATE	20 GPM	FLOW RATE	50 GPM
DRY WEIGHT (APPROX.)	312 LBS.	DRY WEIGHT (APPROX.)	1,067 LBS.
VALVES	PVC BALL	VALVES	PVC BALL
PIPING	UV PROTECTED PVC	PIPING	UV PROTECTED PVC
CAPACITY	180 GAL. POLY TANK	CAPACITY	550 GAL. POLY TANK
HYDROCARBON ACCUMULATOR	7 GAL. POLY	HYDROCARBON ACCUMULATOR	7 GAL. POLY
INCLINED TUBE COALESCOR	1 200 sq. ft. POLY INCLINED GRID	INCLINED TUBE COALESCOR	2300 sq. ft. POLY INCLINED GRID
AUTO OIL SKIMMER	PVC ADJUSTABLE	AUTO OIL SKIMMER	PVC ADJUSTABLE
MICRO-MATRIX COALESCOR	3 000 INCLINED GRID MATRIXES	MICRO MATRIX COALESCOR	9 000 INCLINED GRID MATRIXES

OUTSTANDING FEATURES

Incline Polypropylene Tube Coalescor -These 1/4" square tubes placed on a 60 degree angle provide the maximum coalescing efficiency.

The compact system permits the design to exceed Stokes Law for coalescing, also the self cleaning feature alleviates a maintenance area.

These mini tubes not only coalesce the oil, they coagulate or settle solids over 50 microns. The OWS 20 contains over 1,200 sq. ft. of coalescing area and the OWS 50 contains over 2,300 sq. ft. of coalescing area.



Manual Backflush

The OWS Models are equipped with a manual backflush system for the Micro-Matrix Coalescors to reduce maintenance.

Processing Tank

RGF has designed a proprietary mold for a one piece molded steel reinforced polyethylene tank. The integral interior compartments are full penetration thermo welded for superior vessel strength, corrosion and chemical resistance.

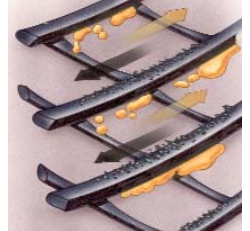
Auto Oil Skimming

Patented by RGF; automatically skims free oils and fuels from the surface of each compartment and stores them in the oil accumulation compartment.

Hydrocarbon Accumulator

Patented by RGF; automatically removes excess water and stores oils & fuels with no moving or replacement parts.

Micro-Matrix -Ultra Coalescor - RGF's innovative self cleaning coalescing matrix utilizes a tight matrix of 60 degree poly grids designed to attract low micron oil particles. The SM Model contains over 3,000 coalescing matrixes for advanced oil removal.



OPTIONAL FEATURES

pH Controller System

An automatic method for monitoring and controlling the pH of the water before it is discharged. Optional chemical injection pumps can be combined for adding adjustment chemicals.

Bag Filter System

A low cost pre-filter to screen out solids before they enter the system therefore reducing maintenance.



Model CCC

Coalescing Centrifugal Clarifier. A flash flocking pre-treatment system for heavy solids removal. Designed for heavy duty oil and solids pre-treatment.



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