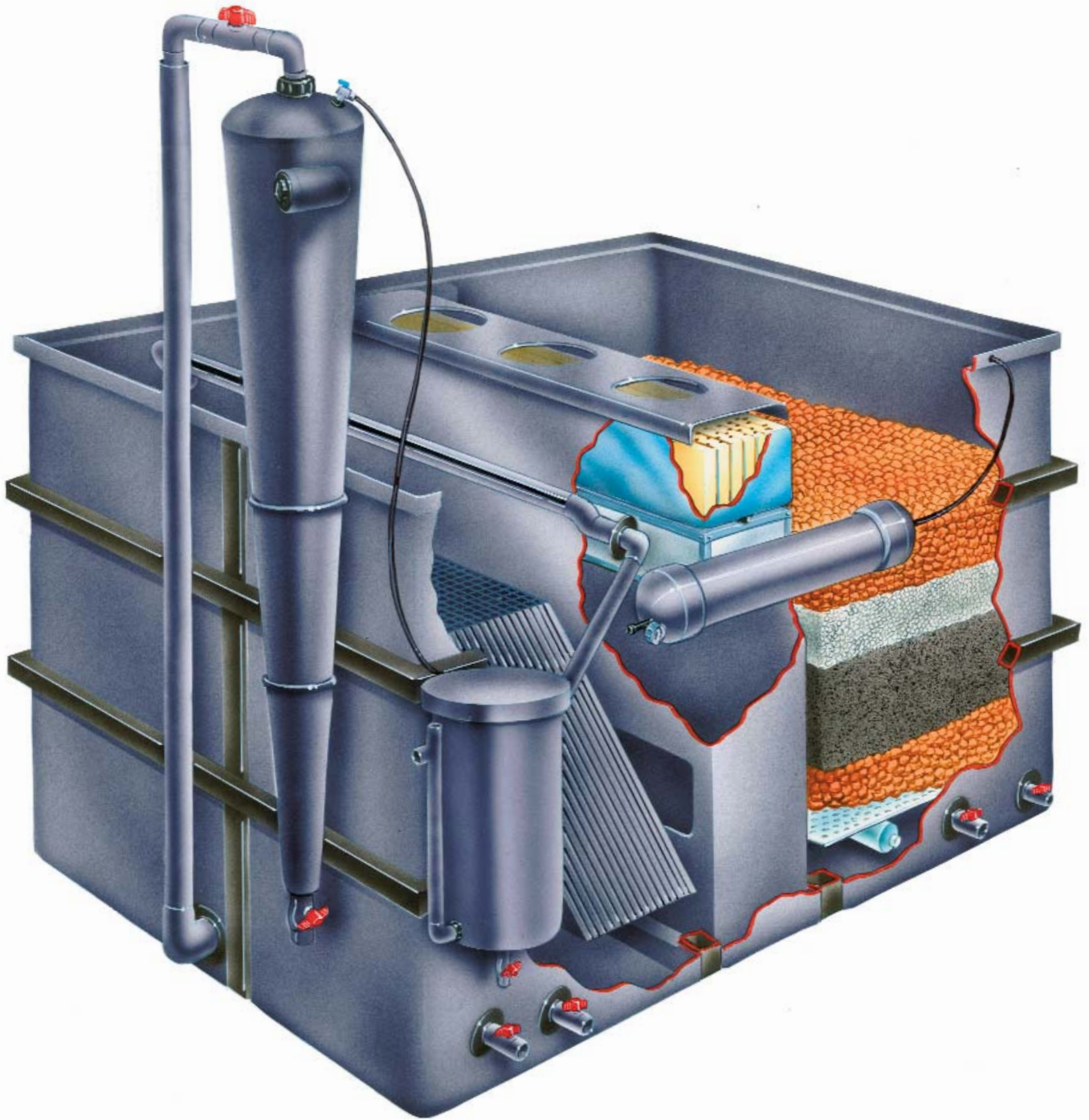


RGF[®] ENVIRONMENTAL GROUP

MODEL
SD

RGF's Advanced Pre-Treatment Sewer Discharge System



—ADVANTAGES

- RGF is the Recognized Leader with thousand 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.
- Installation, Maintenance and operation manual included.
- Components are color impregnated & UV protected to eliminate maintenance painting.
- Over 1,100 sq. ft. of polypropylene inclined tube coalescing area on the SD II and over 2,100 sq. ft. of polypropylene inclined tube coalescing area on the SD I and SD I XL
- Low Maintenance.
- Removes organic and inorganic pollutants from your waste stream.
- All filters and separators contain an oil & solids purge system to extend filter life and reduce maintenance.
- RGF is a Total Service Company from planning to operation. Environmental Systems are our only business.

—APPLICATIONS

The **SD Models** of the **ULTRASORB^b** Family were designed for **Sewer Discharge Applications** such as ...

- Military bases
- Auto Detail Shops
- Machinery companies
- Marine Yards
- Truck & tractor repair shops
- Municipal and State D.O.T.s
- Equipment rental companies
- Bus companies
- Forklift repair shops
- Engine repair shops
- City / County transportation
- Rental Car Companies

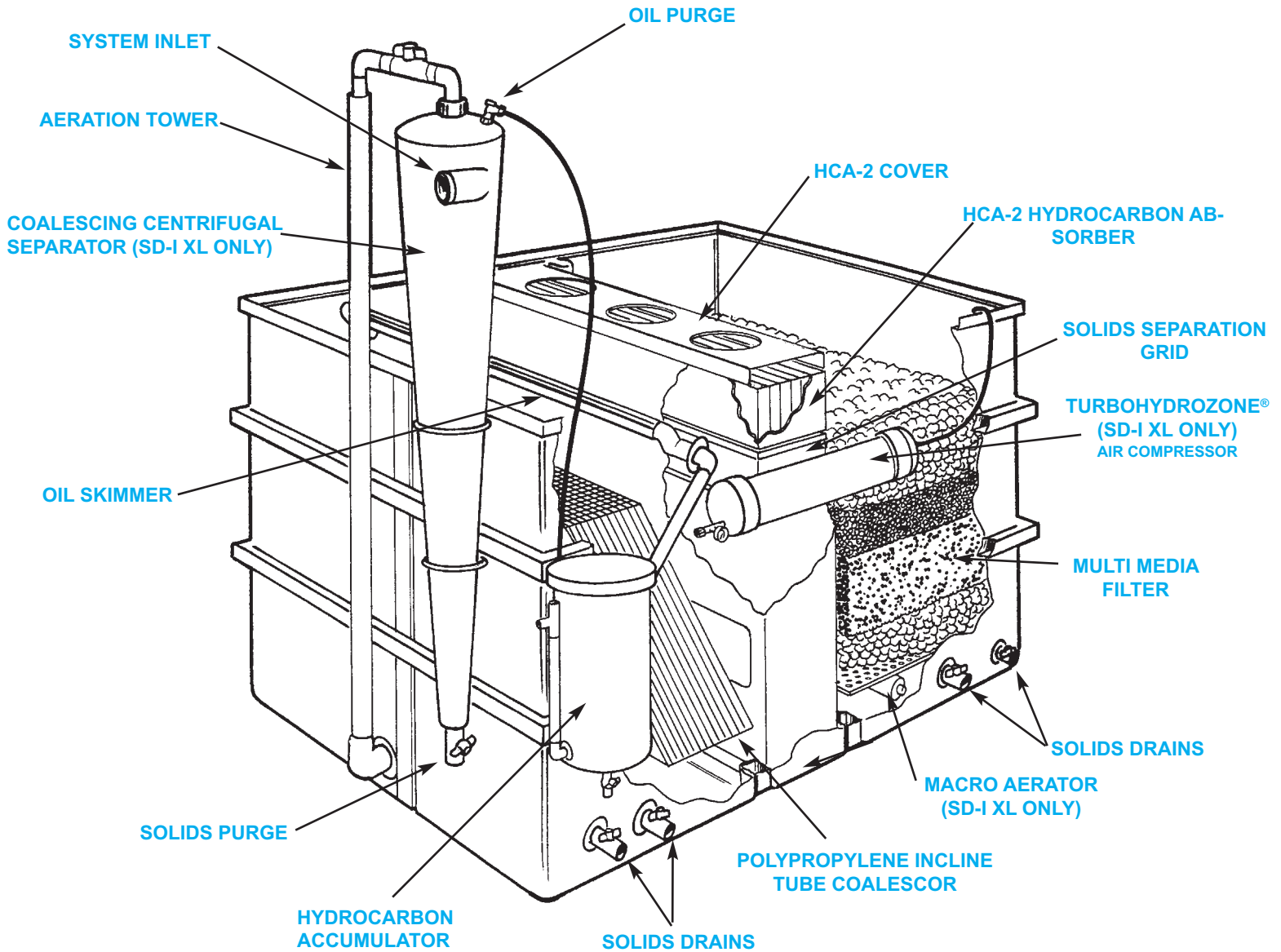
—OPERATION

The patented **ULTRASORB SYSTEM^b** collects contaminated water from your wash pad, which typically contains...petroleum hydrocarbons (oil, grease, and fuels), heavy metals, solids, cleaning fluids, and detergents. The collected water is processed through the system and contaminants are removed prior to discharge.

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

- 1 - **COALESCING CENTRIFUGAL SEPARATION** (High speed G-forces separates solids & oils from water)
- 2 - **AERATION** (Adds air which enhances separation & removes VOC's)
- 3 - **GRAVITY SEPARATION** (Floats heavy oils)
- 4 - **DIFFUSED MACRO AIR FLOTATION** (Aids in separation and algae destruction)
- 5 - **AUTO OIL SKIMMER** (Automatically removes free oils & grease and captures them in a storage container)
- 6 - **STATIC SOLIDS SEPARATION** (Attracts small solids)
- 7 - **HYDROCARBON ABSORPTION** (Absorbs petroleum hydrocarbons)
- 8 - **INCLINE TUBE COALESCING SEPARATION** (Settles solids, coalesces, and floats oils)
- 9 - **MULTI-MEDIA FILTRATION** (Carbon, Ion Exchange, Volcansorb)
- 10 - **TURBOHYDROZONE[®]** (Heavy duty ozone generation system, destroys organics)
- 11 - **OPTIONAL - CHEMICAL FLOCKING SYSTEM** (Settles heavy metals)
- 12 - **OPTIONAL - BAG FILTER SYSTEM** (Pre-filter solids from water prior to system entry)
- 13 - **OPTIONAL - pH CONTROLLER SYSTEM** (Automatically adjusts pH)

MODEL SD



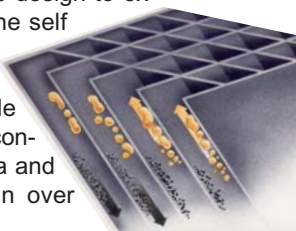
SPECIFICATIONS

MODELS SD-1 & SD-1 XL		MODEL SD-II	
DIMENSIONS: SD-I	4'W X 6'L X 6'H	DIMENSIONS: SD-I	4'W X 6'L X 6'H
SD-1 XL	5'W X 7'L X 7'H	FLOW RATE	15 GPM
FLOW RATE	30 GPM	WEIGHT (APPROX.)	310 LBS.
WEIGHT (APPROX.)	1,350 LBS. SD-I 1,400 LBS. SD-1 XL	CAPACITY	250 GAL. POLY TANK
CAPACITY	850 GAL. POLY TANK	VALVES	PVC BALL
XL TURBOHYDROZONE® (SD-I XL)	3 G/HR OZONE, 1 CFM, 115 VAC .5A	PIPING	UV PROTECTED PVC & POLY
MACRO AERATOR (SD-I XL)	1 M POLY BUBBLER	HYDROCARBON ACCUMULATOR	7 GAL. POLY
VALVES	PVC BALL	INCLINED TUBE COALESCOR	1,100 SQ. FT. POLY INCLINED GRID
PIPING	UV PROTECTED PVC & POLY	AUTO OIL SKIMMER	PVC ADJUSTABLE
COALESCING CENT. SEP. (SD-IXL)	POLY HOUSING	MULTI-MEDIA FILTER	160 LBS. MIXED MEDIA
HYDROCARBON ACCUMULATOR	7 GAL. POLY		
INCLINED TUBE COALESCOR	2,100 SQ. FT. POLY INCLINED GRID		
AUTO OIL SKIMMER	PVC ADJUSTABLE		
MULTI-MEDIA FILTER	600 LBS. MIXED MEDIA		

MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.

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 SD-II Model contains over 1,100 sq.ft. of coalescing area and the SD-1 and SD-1 XL Models contain over 2,100 sq. ft. of coalescing area.



Multi-Media Filters -The Model SD-II contains over 160 lbs of media, including over 70 lbs of carbon for VOC's, 30 lbs of ion-exchange (for metals), 60 lbs of volcansorb for solids, plus hydro-carbon absorbing foams. Models SD-I and SD-I XL contain 600 lbs. of media, including over 300 lbs. of carbon for VOCs, 100 lbs. of ion exchange for metals and 200 lbs. of Volcansorb for solids.

Manual Backflush - The SD Models are equipped with a manual Backflush system for the Multi Media Filter to reduce maintenance.



Hydrocarbon Accumulator - Patented by RGF automatically removes and stores oils and fuels with no moving parts.

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.

Turbohydrozone® - RGF has developed and manufactures their own proprietary high efficiency maintenance free ozone generator with ozone outputs 3 times industry standards. RGF's krypton/quartz chamber has a life of over 10,000 hours.

Coalescing Centrifugal Separator (SDI-XL only)- RGF's patented molded Poly Centrifugal Separator designed to separate, under several G forces, free oils and solids before entering the system thereby decreasing maintenance intervals. With oil and solids purge valves.



HCA-2 -The RGF proprietary HCA-2 hydrocarbon absorber gravity flows the waste water through a hydrocarbon absorption filter consisting of 2 highly absorbent medias, polyisocyanurate and fibrous polypropylene to absorb low micron particles of oil, fuels, solvents and hydrocarbons.

OPTIONAL FEATURES

REFER TO RGF'S OPTIONS CATALOG FOR A COMPLETE LISTING



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

Gravity Bag Filter

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



RGF ENVIRONMENTAL GROUP

3875 Fiscal Court, West Palm Beach, Florida 33404 USA

800 842-7771 • 561 848-1826 • Fax 561 848-9454

www.rgf.com