

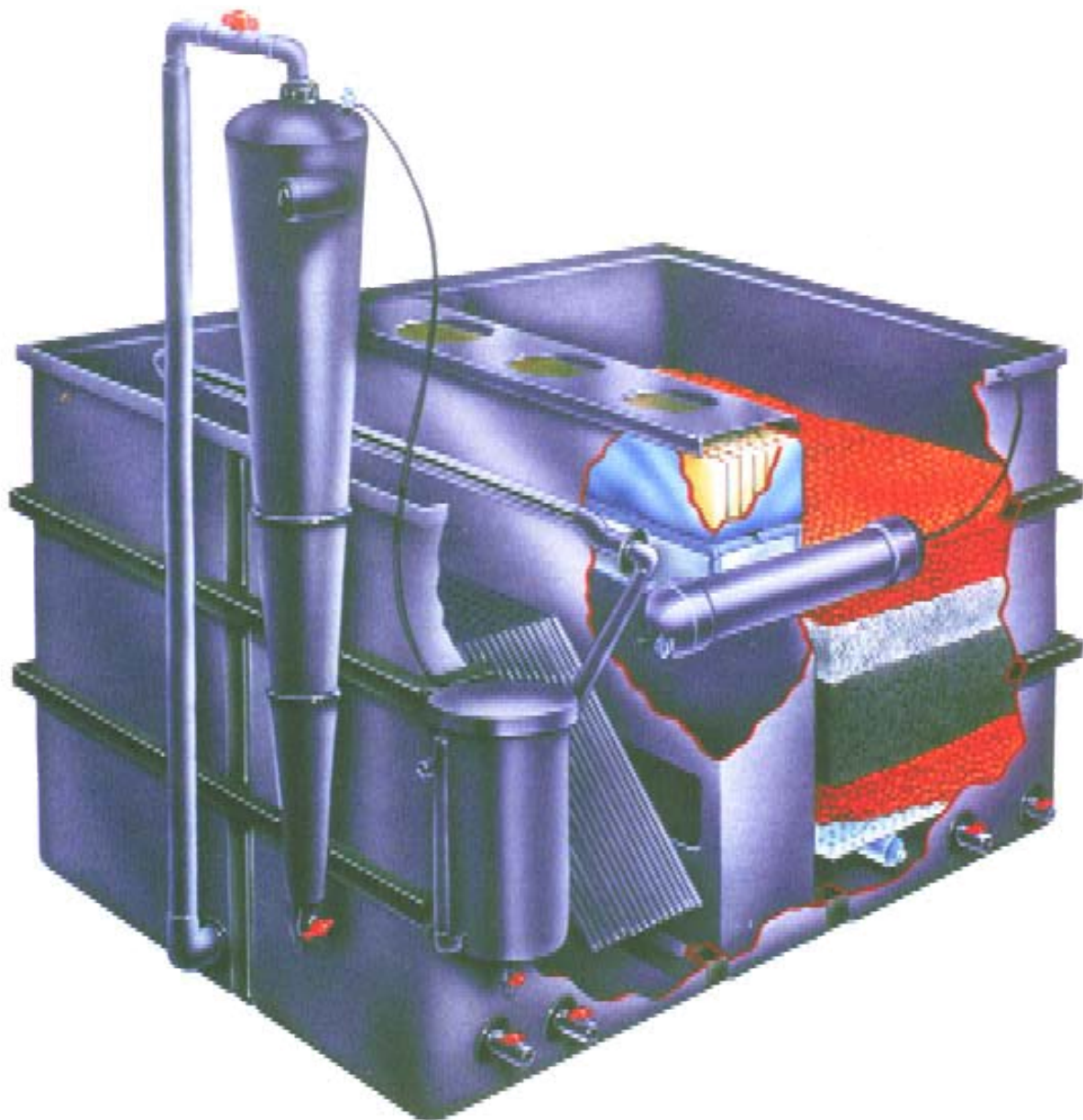


Florida Water Blast, Inc.

12995 Automobile Blvd. Clearwater, FL 33762 - Wk. # 1-800-966-0614

Advanced Pre-Treatment Sewer Discharge Systems.....

This Sewer Discharge Systems is designed to collect contaminated source water, which typically contains petroleum hydrocarbons, heavy metals solid and cleaning fluids. The collected water is processed through the system and contaminants are removed utilizing over 12 technologies prior to discharge to sewer.



ADVANTAGES

- 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 and UV protected to eliminate maintenance painting.
- Low Maintenance.
- Removes organic and inorganic pollutants from your waste stream.
- Pre-treatment technology is designed to avoid pollution problems by preventing contaminated water discharge.
- All filters and separators contain oil and solids purge system to extend filter life and reduce maintenance.
- 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.

APPLICATIONS

The **SD Models** were designed for Sewer Discharge Applications such as...

- Military Bases
- Truck & Tractor Repair Shops
- Fork Lift Repair Shops
- Auto Detail Shops
- Municipal and State D.O.T.'s
- Engine Repair Shops
- Machinery Companies
- Equipment Rental Companies
- City/ County Transportation
- Marine Yards
- Bus Companies
- Rental Car Companies

OPERATION

The SD-1 XL SYSTEM 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 contaminant's are removed prior to discharge.

The SD-1 XL SYSTEM consists of the following technologies and processes...

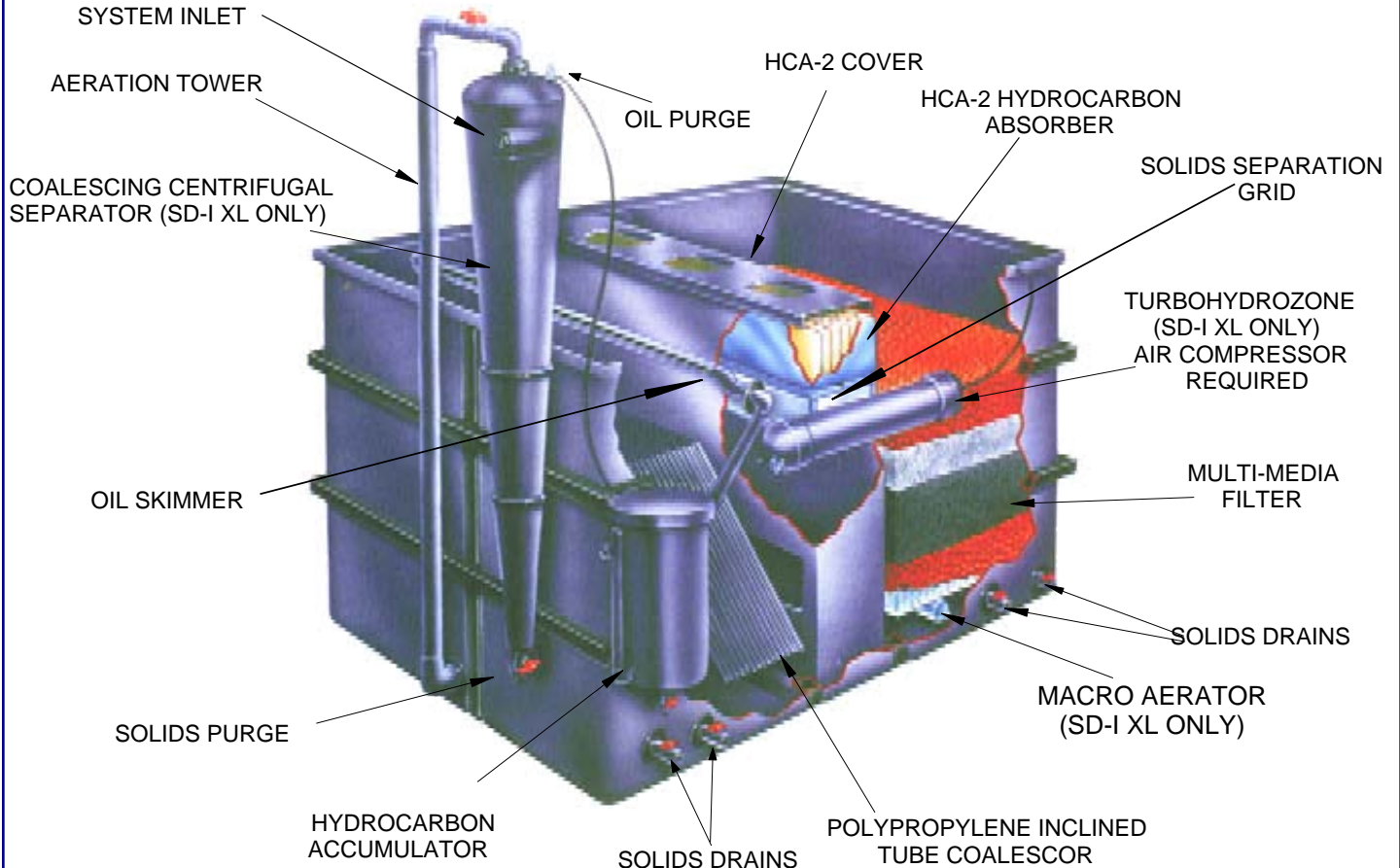
- 1 - **CENTRIFUGAL SEPARATOR - (SD-I XL ONLY)** (High speed G forces separate solids/oils from water)
- 2 - **AERATION** (Adds air which enhances separation & removes VOC's)
- 3 - **GRAVITY SEPARATION** (Floats heavy oils)
- 4 - **DIFFUSED MACRO AIR FLOTATION - (SD-I XL ONLY)** (Aids in separation and algae destruction)
- 5 - **AUTO OIL SKIMMER** (Auto. 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 (SD-I XL only)** (H.D. 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 adjust pH)



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MODEL SD



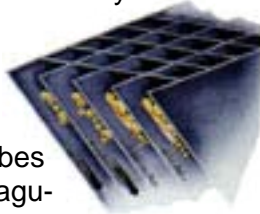
SPECIFICATIONS

MODELS SD-I & SD-I XL		MODEL SD-II	
DIMENSIONS: SD-I	4'W X 6'L X 6'H	DIMENSIONS:	3'W X 4'L X 6'H
DIMENSIONS: SD-I XL	5'W X 7'L X 6'H	FLOW RATE	1-10 GPM
FLOW RATE	1-30 GPM	WEIGHT (APPROX.)	500 LBS.
WEIGHT (APPROX.)	1,350 LBS. - SD-I; 1,400 LBS. SD-I XL	VALVES	PVC BALL
CAPACITY	850 GAL. POLY TANK	PIPING	UV PROTECTED PVC
XL TURBOHYDROZONE (SD-IXL)	3 G/HR Ozone, 1 CFM, 115 VAC, .5A	CAPACITY	250 GAL. POLY TANK
MACRO-AERATOR (SD-I XL)	1 M POLY BUBBLER	HYDRO ACCUMULATOR	7 GAL. POLY
VALVES	PVC BALL	INCLINED COALESCOR	1,100 sq. ft. POLY GRID
PIPING	UV PROTECTED PVC	AUTO OIL SKIMMER	PVC ADJUSTABLE
CENTRIFIGUAL SEP. (SD-I XL)	POLY HOUSING	MULTI-MEDIA FILTER	200 LBS. MIXED MEDIA
HYDROCARBON ACCUMULATOR	7 GAL. POLY		
INCLINED TUBE COALESCOR	2100 SQ. FT. POLY INCLINED GRID		
AUTO OIL SKIMMER	PVC ADJUSTABLE		
MULTI-MEDIA FILTER	600 LBS. MIXED MEDIA		

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-I & SD-I XL Models contains over 2,100 sq.ft. of coalescing area.



Processing Tank - This coalescing separator is a one piece molded steel reinforced polyethylene tank. The integral interior compartments are full penetration thermo welded for superior vessel strength, corrosion & chemical resistance.

Turbohydrozone (SD-I XL only) - This is a high efficiency maintenance free ozone generator with ozone outputs three times industry standards. This krypton/ quartz chamber has a life of over 10,000 hours.

Multi-Media Filters - The Model SD-II contains over 200 lbs of media, including over 100 lbs of carbon for VOC's, 50 lbs of ion exchange (for metals), 50 lbs of volcanorb for solids, plus hydrocarbon absorbing foams. Models SD-I & SD-I XL contain over 600 lbs of media, including over 300 lbs of carbon for VOC's, 100 lbs of ion-exchange for metals, 200 lbs. of Volcanorb for solids.

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

Coalescing Centrifugal Separator (SDI-XL only)

This 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.



Hydrocarbon Accumulator - This unit automatically removes & stores oils & fuels with no moving or replacement parts.

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

OPTIONAL FEATURES

REFER TO FLORIDA WATER BLAST WEB SITE CATALOG FOR A COMPLETE LISTING



Model - CCC+
Coalescing Centrifugal Clarifier. A flash flocculation 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.

