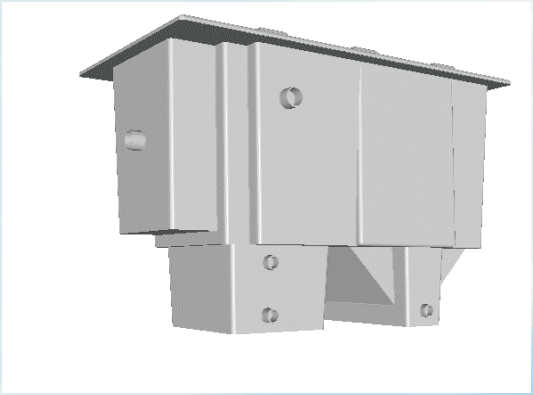
TotlSep - Oil/Water Separator

Coalescing Type, Cross Corrugated Plate Design, Fiberglass Construction

- ✓ Integral Oil & Sludge Storage
- ✓ Wide Variety of Accessories
- ✓ Wide Selection of Media Types
- ✓ Flow Rates From 1 to 125 GPM
- ✓ Standard & Custom Configurations
- ✓ Designed According to API Criteria



OIL WATER SEPARATION

THE PROBLEM

- ❖ Gross free oil in the wastestream prevents you from meeting discharge regulations for oil and grease.
- ❖ Removal of free and dispersed oil droplets needed to protect downstream treatment equipment.
- ❖ Need to reduce overall system operating cost by reducing oil pollutant load on downstream equipment.

THE SOLUTION

Gravity Type - Rectangular Channel Coalescing Oil / Water Separators are excellent at removing gross free oil or similar flotable products from wastewater flows.

Hydro-Flo Technologies Separators are suitably designed as end of pipe treatment or to protect other down stream treatment equipment.

Hydro-Flo Technologies Coalescing Separators have integral collection chambers for settleable sludge/solids and for recovered waste oil product.

The sludge/solids gathering chamber is located directly beneath the coalescing media to improve and simplify settleable solids removal. The recovered oil product reservoir is conveniently located in the separation chamber and has an adjustable rotating pipe oil skimming assembly.

Hydro-Flo Technologies Separators can handle a wide variety of temperatures and chemicals with five different coalescing media types. A selection of coalescing plate spacings are also available to handle high viscosity and high solids loading rates.

Hydro-Flo Technologies also offers a complete selection of accessories and custom configurations for your application. Freeze protection, level sensing, pump packs, special fittings, and special coatings are just some of the available options.

THE COMMITMENT

Solving your wastewater problem is our goal. Our extensive experience in designing and building high quality wastewater treatment equipment is at your disposal.

Our engineers and fabricators constantly strive to design and build the finest American made equipment available today! You can be assured that the equipment we supply will provide you with performance, efficiency, adaptability, low maintenance and ease of operation.

Our oil / water separators are designed and sized according to the most recent API criteria for design and operation of oil water separators. We use the calculations found in API Publication 421 - 1990 to expertly design and size your separator for reliable and predictable wastewater treatment performance.

Let our experience, know-how, and resources go to work for you. Application specific consultations are available at no cost or obligation.

TYPICAL APPLICATIONS

Industrial Wastewater Treatment	Chemical Processing Industries
Petroleum Refinery	Light & Heavy Manufacturing
Groundwater Remediation	Metal Finishing Industries
Food Processing and Rendering	Equipment Washpad Recycling

HYDRO-FLO TECHNOLOGIES, INC.

The Art & Science Of Wastewater Treatment

Bulletin #232

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TotlSep Fiberglass Oil/Water Separator

STANDARD FEATURES

- 100% Fiberglass Mat Construction
- Integral Sludge Hopper
- Integral Oil Reservoir
- Adjustable Rotary Pipe Oil Skimmer
- Molded Fittings Standard
- Vapor Tight Lid Assembly
- PVC Coalescing Media
- Handles Wide Range of Flow Rates

ENGINEERED PERFORMANCE

Designed - Built - & Sized according to API Publication 421 and Stokes Law.

Calculated performance based on oil specific gravity, viscosity, and flow rate assures reliable performance.

Integral sludge hopper eliminates media pack fouling due to solids accumulation.

Automatic surface oil skimming provides high purity recovered product.

RUGGED CONSTRUCTION

- Heavy Duty Fiberglass Mat
- Uniform Thickness Throughout
- Internal Finish Sealed with Resin
- External Smooth Gel Coat Finish
- Heavy Duty Lid with Latches
- Standard Molded In Fittings
- Backed By A One Year Warranty

BUILT-IN QUALITY

Performance oriented projected surface area calculations are performed for each separator to ensure predictable performance.

Over 40 manufacturing quality control points are inspected.

Separators are wet tested for trouble free start-up.

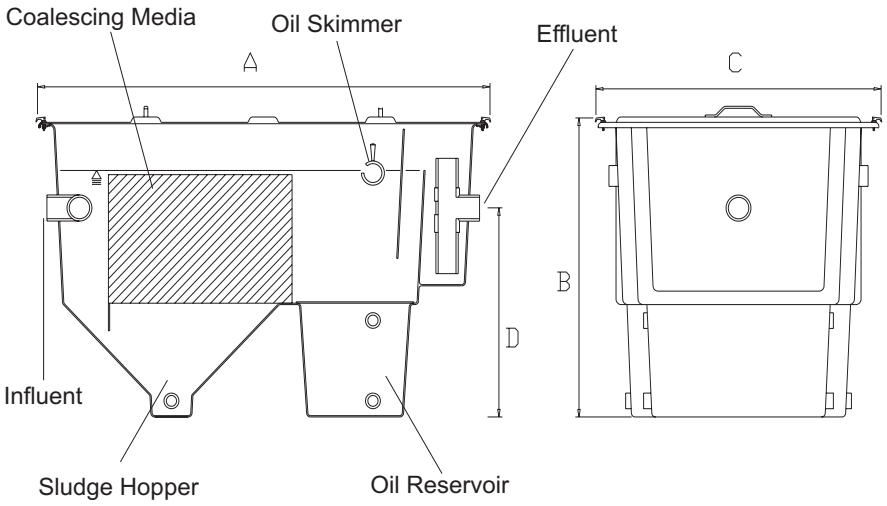
GENERAL SPECIFICATIONS

The separator is designed as a specially fabricated rectangular channel fiberglass separator tank made with fiberglass mat.

The oil/water separation and oil removal process is fully automatic requiring no moving parts.

The separator design satisfies the requirements of API Publication 421 Feb. 1990 and Stokes Law.

Performance enhancement is achieved by the use of DYNA-PAK cross corrugated coalescing media.



STANDARD UNIT DIMENSION CHART

MODEL	A LONG Inches	B TALL Inches	C WIDE Inches	D ELEV Inches	INLET FITTING (inches)	OUTLET FITTING (inches)	OIL OUTLET FITTING (inches)
TS002	64	36	31	19	2	2	2
TS004	76	39	31	21	2	2	2
TS008	76	51	31	33	2	2	2
TS012	76	51	43	33	3	3	3
TS016	76	49	55	33	3	3	3
TS024	88	57	55	39	4	4	3
TS036	88	69	55	48	4	4	3

OIL/WATER SEPARATOR SIZING CHART

MODEL	TYPICAL FLOW RATE GPM	TOTAL SEPARATOR CAPACITY (gals)	SQ.FT. OF COALESCING AREA ½" PLATE SPACING	SQ.FT. OF COALESCING AREA ¾" PLATE SPACING	EMPTY WEIGHT (lbs.)	OIL CAPACITY (gals)
TS002	2-5	85	136	84	75	9
TS004	4-10	105	272	168	150	11
TS008	8-20	177	544	336	250	11
TS012	15-30	300	816	504	350	25
TS016	25-40	408	1088	672	450	39
TS024	35-75	508	1632	1008	750	54
TS036	60-125	675	2448	1512	1000	54

ACCESSORIES AND OPTIONS

The following accessories & options are just a few of the more popular selections available from Hydro-Flo Technologies. If you have a specific option or configuration in mind, please call. Our marketing & engineering staff can help you design the perfect oil/water separator for your application.

Platforms and Walkways

Special Fitting Configurations

Special Resin Blends & Gel Coats for Corrosive Environments

Optional Materials of Construction (Carbon Steel, Stainless Steel, Etc.)

Freeze Protection Packages

Pump Systems for Influent, Effluent, Oil & Sludge

1/2, 3/4, 1-1/4 Media Plate Spacing

PVC, CPVC, FRP, Stainless Steel, Carbon Steel Coalescing Media

Represented By: