TotlSep Steel Constructed Oil/Water Separator

STANDARD FEATURES

- A36 Carbon Steel Construction
- Integral Sludge Hopper
- Integral Oil Reservoir
- Stainless Steel Adjustable Weirs
- 150# ANSI Flanged Fittings
- Vapor Tight Lid Assembly
- PVC Coalescing Media
- Stainless Steel Media Frame

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 operation.

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

Automatic surface oil skimming provides high purity recovered product.

RUGGED CONSTRUCTION

- A36 Carbon Steel 3/16", 1/4 & 5/16"
- Internal Prepared to SSPC-SP10
- Internal 2 Coats Coal Tar Epoxy
- External Prepared to SSPC-SP6
- External 1 Coat Self Priming Epoxy

BUILT-IN QUALITY

Performance oriented projected surface area calculations performed for each separator to ensure reliability.

Over 40 manufacturing quality control points inspected.

All welds dye tested and all separators wet tested prior to shipping.

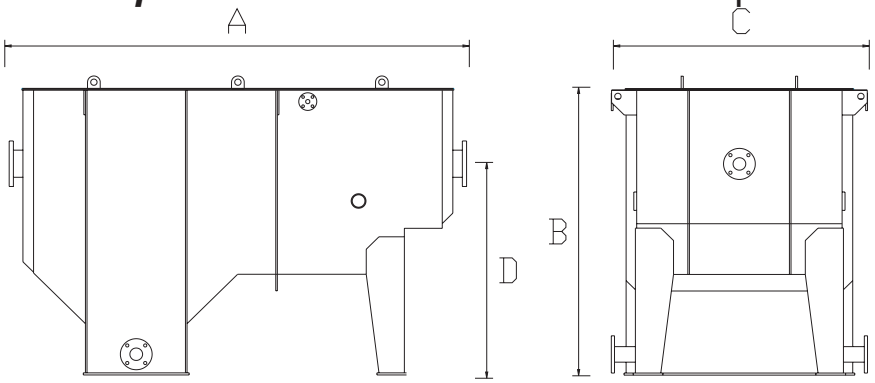
GENERAL SPECIFICATIONS

The separator is designed as a specially fabricated rectangular channel steel separator tank with adequate supporting structure.

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

The 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 (feet)	B TALL (feet)	C WIDE (feet)	D ELEV (feet)	INLET FITTING (inches)	OUTLET FITTING (inches)	OIL OUTLET FITTING (inches)
TS024	9	5	6	5	3	3	2
TS036	9	6	6	6	4	4	3
TS048	10	7	6	6.5	6	6	3
TS064	10	8	6	7.5	6	6	3
TS080	10	8	7	7.5	6	6	3
TS096	10	8	8	7.5	8	8	3
TS128	10	8	10	7.5	8	8	3
TS160	14	8	7	7.5	8	8	3
TS192	14	8	8	8	8	8	3
TS224	14	9	9	8.5	8	8	3
TS256	14	9	10	9	8	8	3
TS280	14	10	9	8.5	8	8	3
TS320	14	10	12	10	10	10	3
TS384	14	11	10	11	10	10	3

Dimensions and Performance data are provided only as a guide and are subject to change. Custom sizes and configurations are available. Consult Hydro-Flo Technologies for more information.

OIL/WATER SEPARATOR SIZING CHART

MODEL	TYPICAL FLOW RATE GPM	TOTAL SEPARATOR CAPACITY (gals)	COALESCING SURFACE AREA (FT2) ¾" PLATE SPACING	EMPTY WEIGHT (lbs.)	OIL CAPACITY (gals)
TS024	20-120	550	1008	3100	11
TS036	30-150	780	1512	3500	35
TS048	60-200	945	2016	3900	35
TS064	75-260	1212	2688	4300	59
TS080	130-320	1500	3360	4700	73
TS096	160-390	1785	4032	5400	86
TS128	175-510	2412	5376	6500	117
TS160	250-640	2408	6720	6700	73
TS192	300-770	2973	8064	7400	85
TS224	350-900	3687	9408	8300	103
TS256	420-1000	4325	10752	9000	117
TS280	470-1150	4915	11760	12000	130
TS320	500-1300	5700	13440	10600	145
TS384	610-1500	5969	16128	10900	166

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.

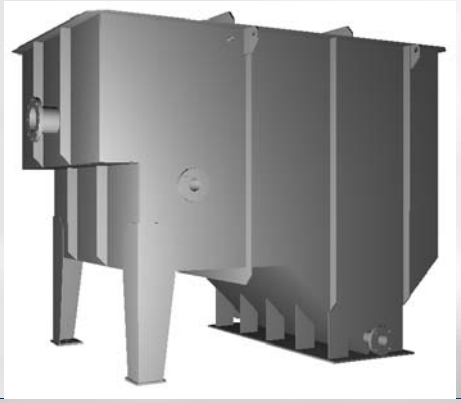
- Platforms and Walkways (Stainless Steel, FRP, Etc.)
- Special Fitting Configurations
- Freeze Protection Packages
- Special Internal and External Coatings for Corrosive Environments
- Pump Systems for Influent, Effluent, Oil & Sludge
- Optional Materials of Construction
- 1/2, 3/4, 1-1/4 Media Plate Spacing

Represented By:

TotlSep - Oil/Water Separator

Coalescing Type, Cross Corrugated Plate Design, Carbon Steel Construction

- ✓ Integral Oil & Sludge Storage
- ✓ Wide Variety of Accessories
- ✓ Wide Selection of Media Types
- ✓ Flow Rates From 20 to 1500 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 stainless steel skimming weir 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 #231

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