Rectangular Oil/Water Separators

High Quality, Innovative, and Cost Effective

Highland Tank®

Highland rectangular oil/water separators are of the highest quality- constructed to American Petroleum Institute (API) and Underwriters Laboratories, Inc. (UL) specifications. Highlands separators are designed for the removal of free-floating oil, grease, and settleable oily coated solids from oil/water mixtures associated with many types of petroleum, industrial, commercial, military, and municipal facilities.

Our high-efficiency oil/water separators are recommended for many industrial and commercial applications, such as:

- Airports & Aircraft Services
- Automobile Dealers
- Electric Utilities and Power Plants
- Environmental Remediation
- Military & Government Facilities
- Petroleum Marketing Facilities
- Railroad Yards
- Trucking and Transportation Facilities

Vehicle services associated with each of these facilities might include:

- Fueling Facilities
- Repair and Maintenance Shops
- Wash Areas

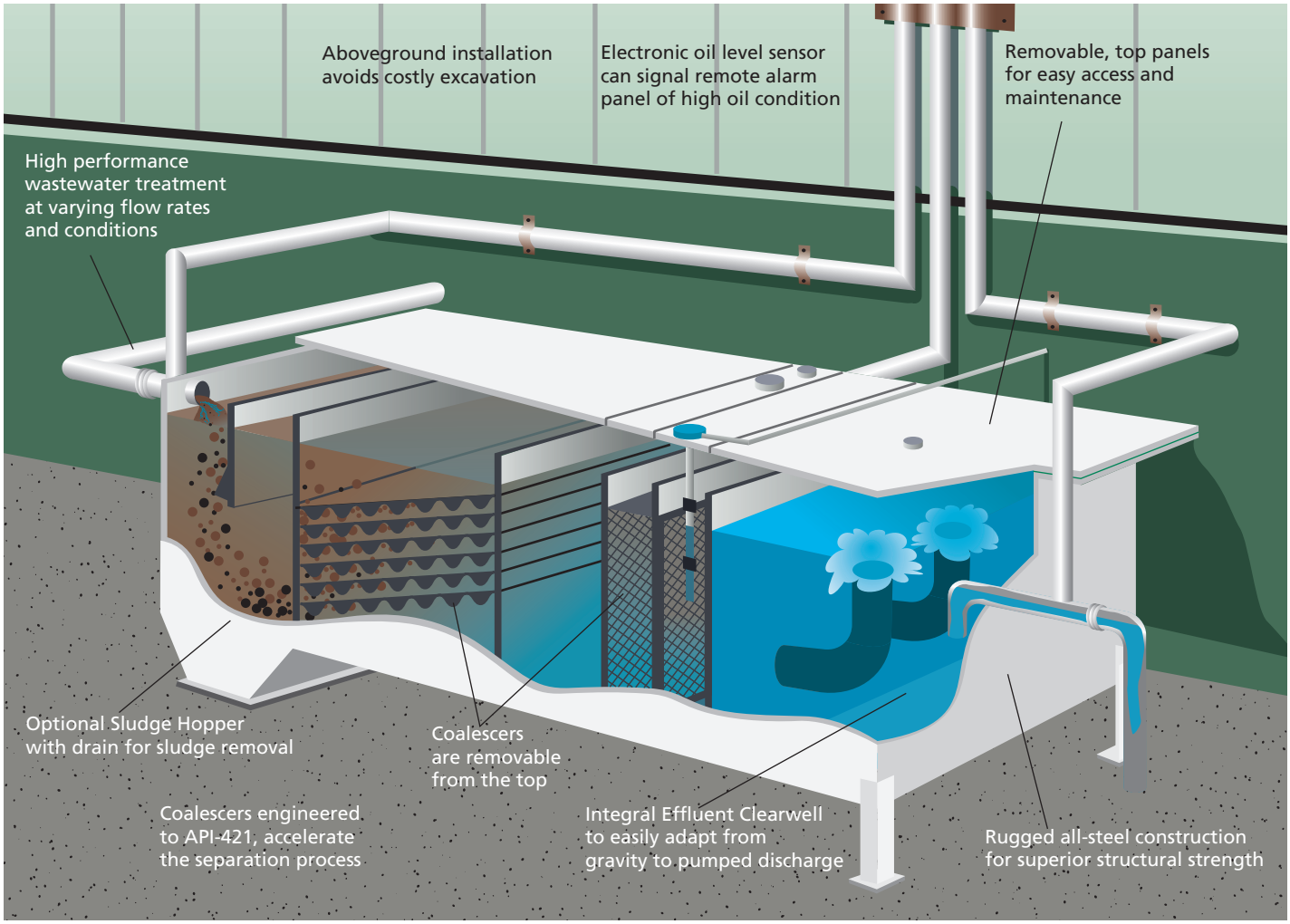
Highland oil/water separators set the standard for reliability.
Our separators are highly efficient - treating wastewater under a wide range of conditions.

Easy to Install, Operate, and Maintain

Rectangular oil/water separators can be installed aboveground to help industrial facilities comply with the EPA's spill and discharge regulations. Like our cylindrical, belowground units, these separators are equipped with our non-clogging Corella® coalescers that accelerate the separation process and greatly reduce the level of oil and oily coated solids discharged into municipal storm or sanitary sewer systems.

Our rectangular separators can serve as a stand-alone oil/water separator or can be readily adapted for use in conjunction with our polishing systems, like our Trickle Filters or Advanced Filtration Systems.

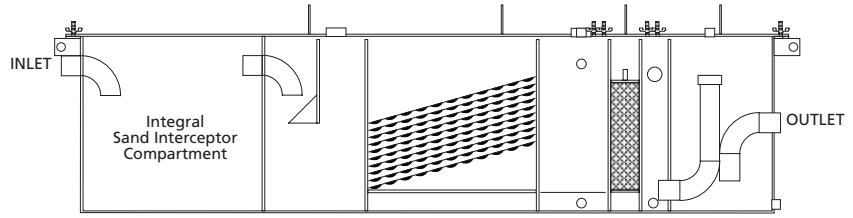
Rectangular separator design permits total, unconfined, unrestricted OSHA compliant top access for safe visual inspection, cleaning, and maintenance.



Pre-Engineered Design Options

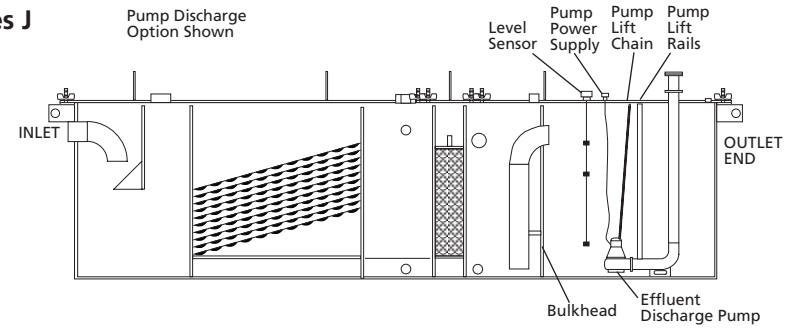
Series G oil/water separators feature an integral sand interceptor compartment to permit sand and gravel to settle out before the wastewater enters the separation chamber.

Series G



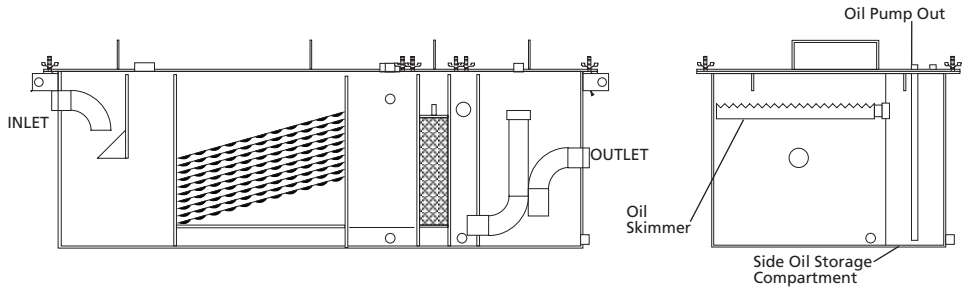
Series J oil/water separators feature an integral effluent pump-out compartment with level controls to operate a pump at prescribed levels. The pumped effluent can then be routed through Highland's Advanced Filtration System to further improve performance.

Series J



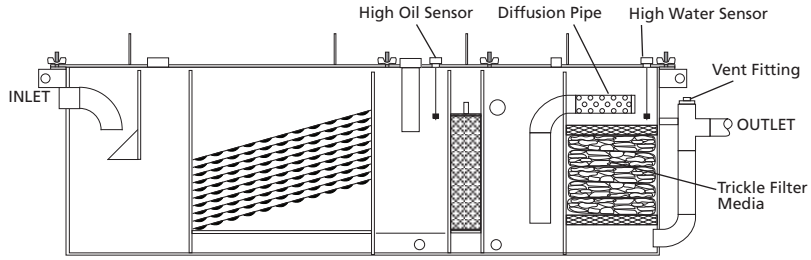
Series S oil/water separators feature an integral side product compartment for storing separated oil. The special side product compartment permits the removal of only the skimmed oil by pump-out. The effluent is discharged either by pump or gravity flow.

Series S



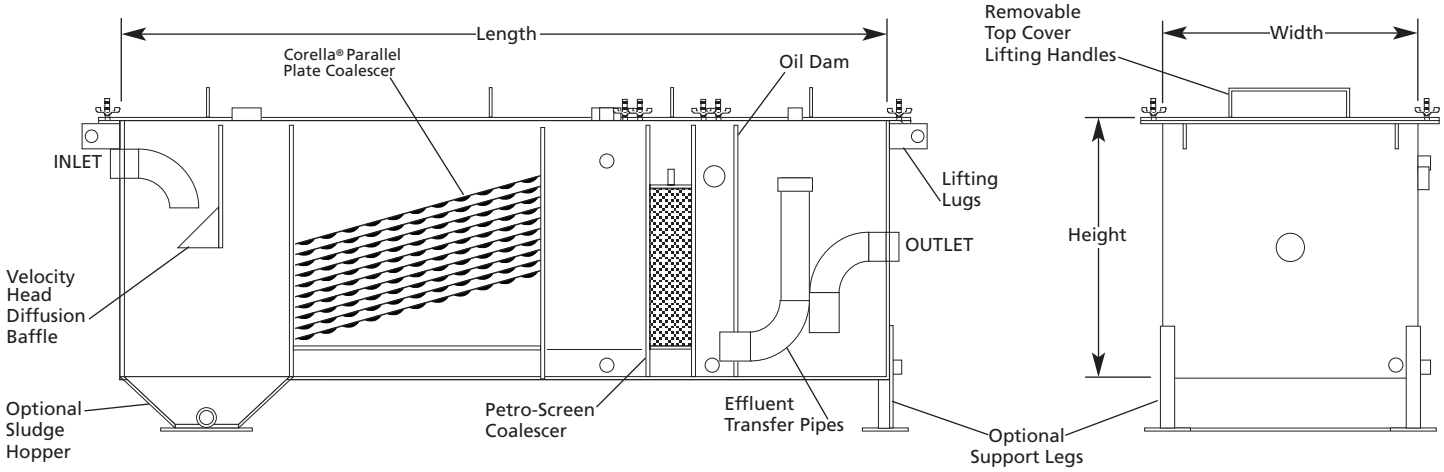
Series TF oil/water separators feature an integral "trickle filter" to remove dispersed and mechanically emulsified oils that may pass through the separator untreated. Water flows freely out of the separator to the diffusion pipe and passes through the oleophilc trickle filter media bags to remove any troublesome discharges. The media bags can be easily removed and replaced when necessary.

Series TF



Also available with a UL-SU2215 Label
U.S. Patents - 4,722,800, 5,520,825 & 6,605,224
Canadian Patents - 1,325,179, 1,296,263 & 2,389,065

SU2215 Listed



Rectangular Separator Sizing Guide

Model **R-HTC or R-HT**	Flow Rate **Gal/Min**	Total Volume **Gallons**	Recommended Oil Pump-out **Gallons**	Dimensions **L x W x H**	Inlet & Outlet **Diameter**
100	5	100	20	5′-0″ x 1′-6″ x 3′-0″	1″
200	10	200	40	5-′0″ x 2′-0″ x 3′-0″	2″
300	25	300	60	7′-0″ x 2′-0″ x 3′-0″	3″
600	50	600	120	9′-0″ x 3′-0″ x 3′-0″	4″
900	75	900	180	10′-0″ x 3′-0″ x 4′-0″	6″
1,000	100	1,000	200	11′-0″ x 4′-0″ x 4′-0″	6″
2,000	200	2,000	400	12′-0″ x 5′-0″ x 5′-0″	8″
3,000	300	3,000	600	18′-0″ x 5′-0″ x 5′-0″	10″
4,000	400	4,000	800	18′-0″ x 6′-0″ x 5′-0″	10″
5,000	500	5,000	1,000	20′-0″ x 6′-0″ x 6′-0″	10″
6,000	600	6,000	1,200	19′-2″ x 7′-0″ x 6′-0″	10″
7,000	700	7,000	1,400	19′-2″ x 7′-0″ x 7′-0″	10″
8,000	800	8,000	1,600	19′-2″ x 8′-0″ x 7′-0″	10″
9,000	900	9,000	1,800	18′-10″ x 8′-0″ x 8′-0″	12″
10,000	1,000	10,000	2,000	20′-11″ x 8′-0″ x 8′-0″	12″
12,000	1,200	12,000	2,400	19′-10″ x 9′-0″ x 9′-0″	12″
15,000	1,500	15,000	3,000	24′-9″ x 9′-0″ x 9′-0″	14″
20,000	2,000	20,000	4,000	29′-9″ x 10′-0″ x 9′-0″	16″
25,000	2,500	25,000	5,000	33′-6″ x 10′-0″ x 10′-0″	18″
30,000	3,000	30,000	6,000	40′-0″ x 10′-0″ x 10′-0″	20″

Plate spacing and orientation may vary depending on site conditions.
Consult Highland Tank for series G, J, S, and TF oil/water separator sizing guides.

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