

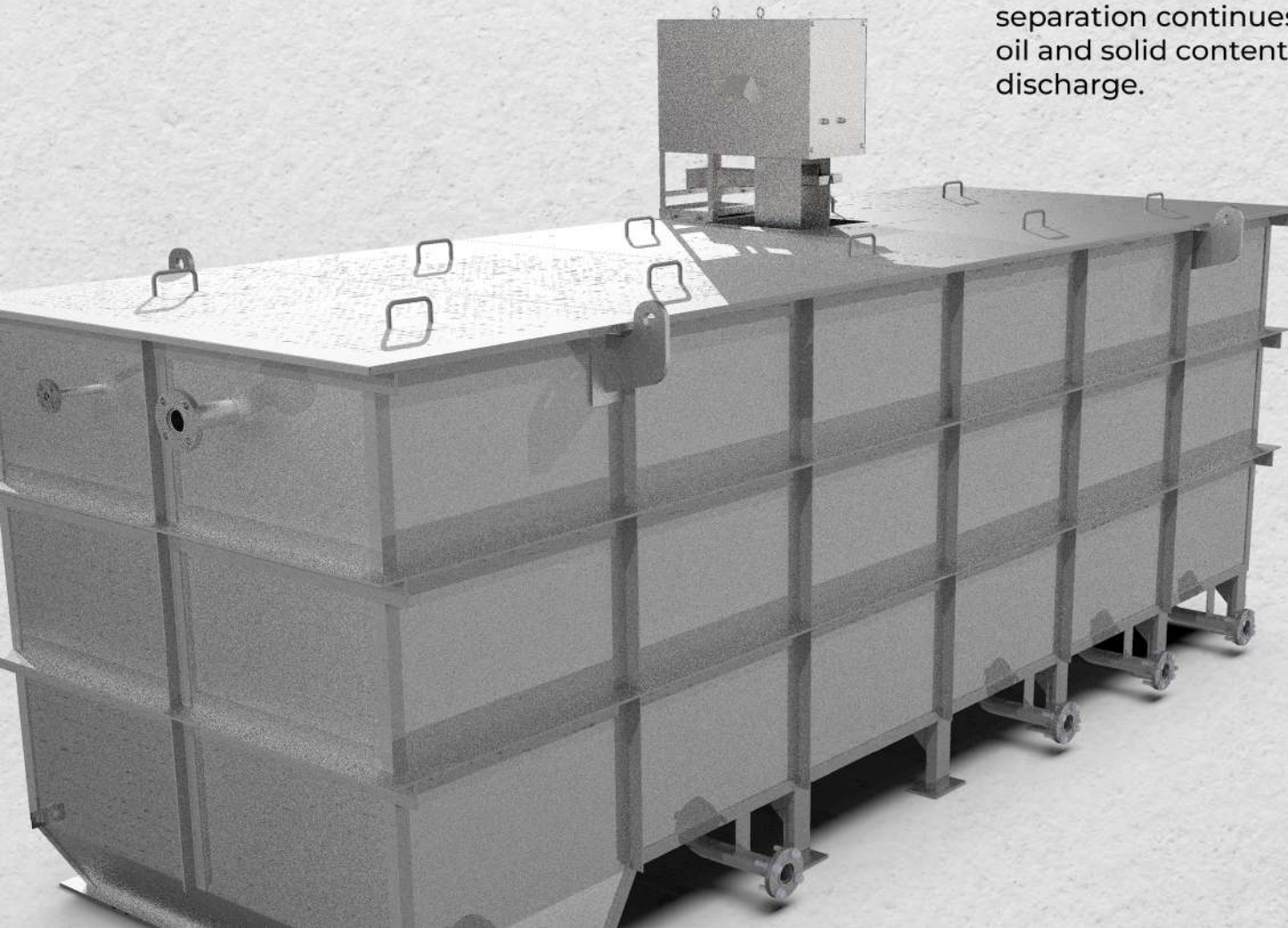
OIL WATER SEPARATORS

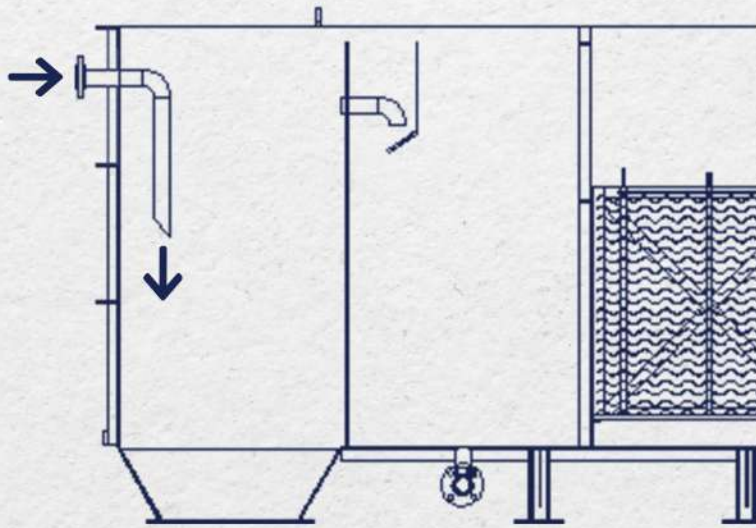
Above Ground Rectangular Tank



OIL WATER SEPARATORS

Our Oil Water separator treats wastewater containing oils and solids that enters our system, initiating a physical separation process. Solid particles settle at the bottom to form a sediment layer, while less dense oils float to the water's surface, leaving water in between. These separators often have multiple stages. As the wastewater progresses through these stages, the separation continues, resulting in treated water with reduced oil and solid content, making it suitable for subsequent discharge.





ABOUT PROBLEM



Sludge builup in chamber

The gradual build-up of solid particles, sediments and other suspended matter within the tank typically found in wastewater treatment



Bulky Plate Pack

Large Plate Pack in oil separation systems such as wastewater treatment plant handle high flow-rates but pose installation and maintenance challenges



Difficult-to-clean plate packs

Larger plate packs often entail more extensive maintenance requirements. cleaning, inspection and potential repairs can be more labor-intensive due to the increased surface area that needs attention



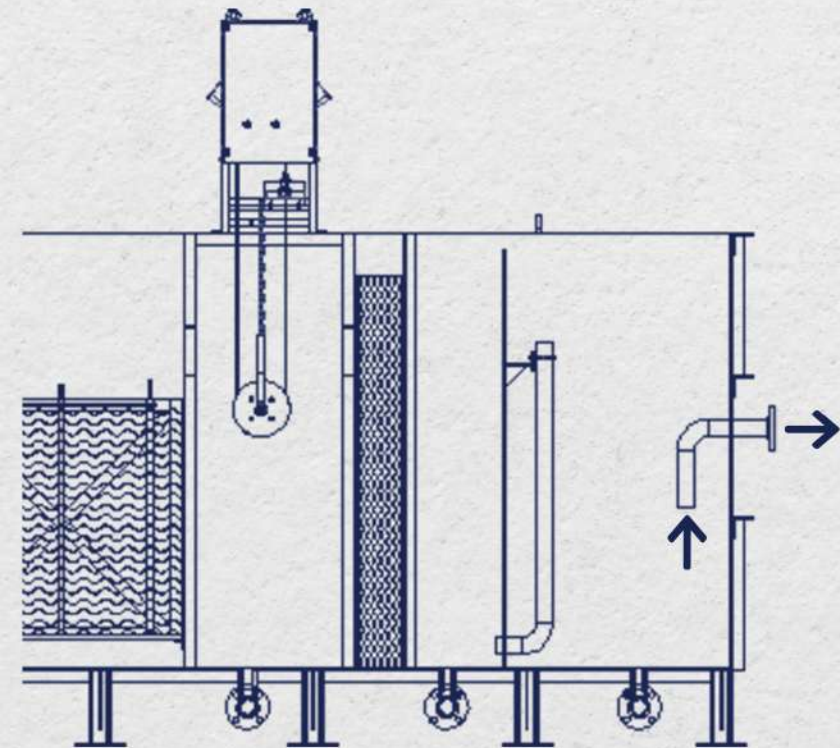
Frequent maintainance

Accumulation of solid particles, sediments, or other debris within a designated chamber or vessel. It lowers efficiency, increases maintenance, raises pressure, and may affect quality.

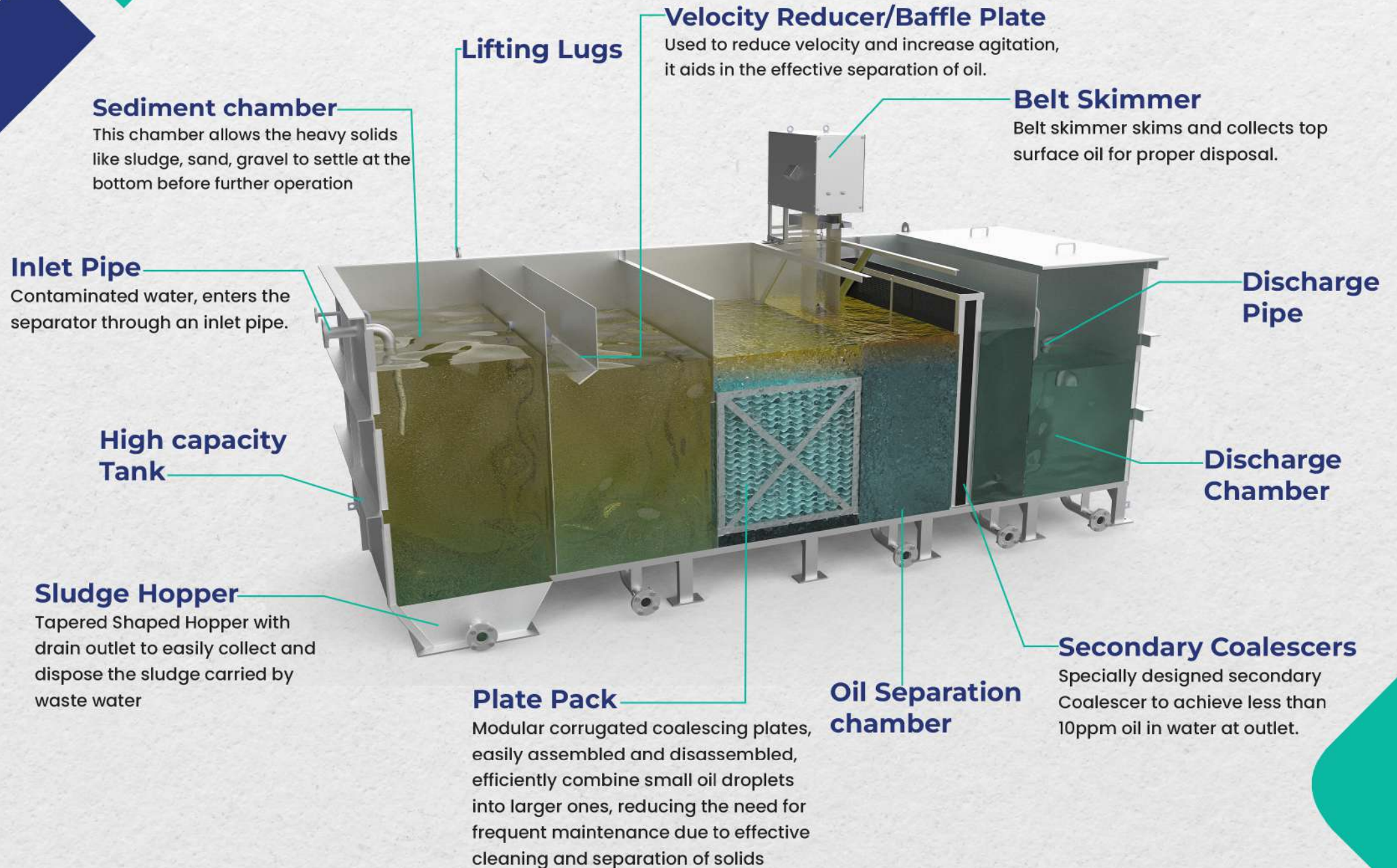


Complex operation

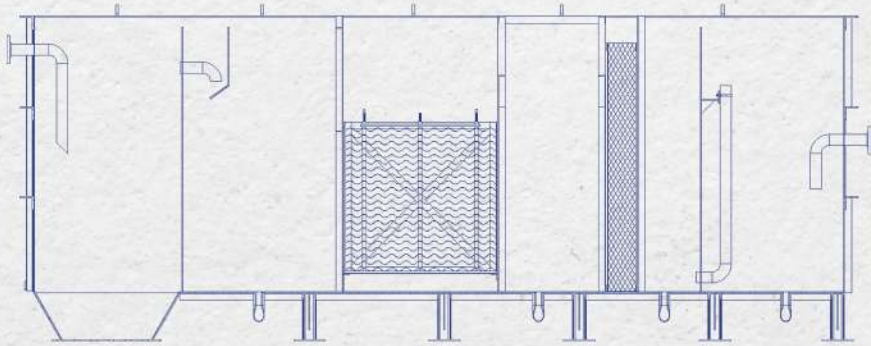
More time and Skilled labour is required to understand and perform the operation of the oil skimming devices



OUR SOLUTION

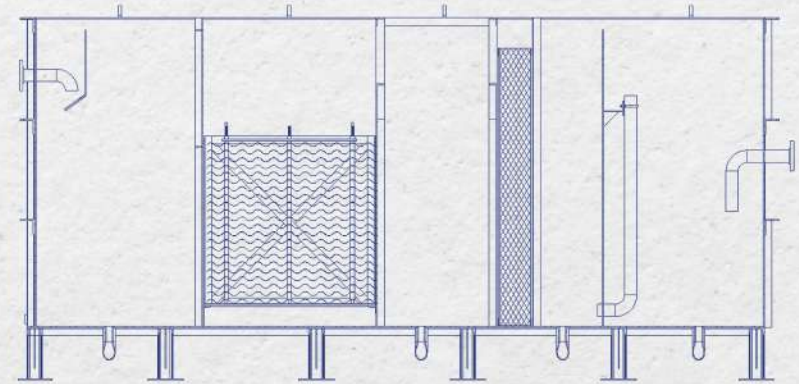


MODEL OPTIONS



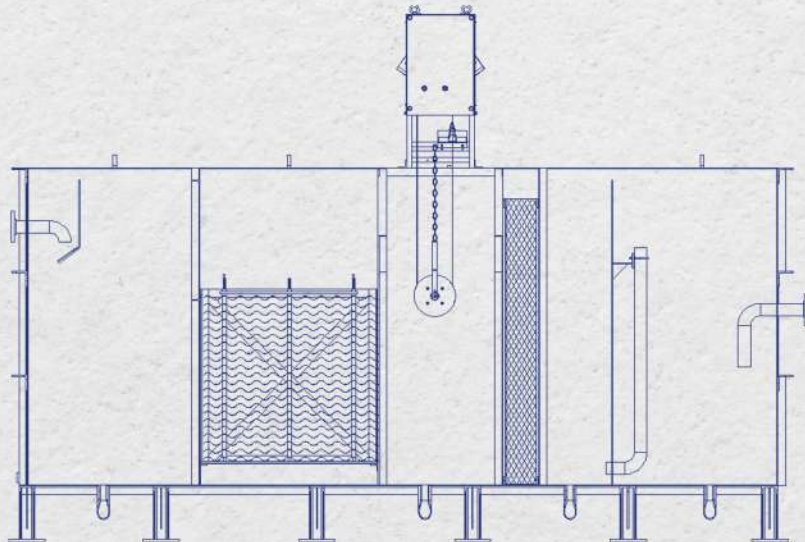
With Sand-Interception pit

Incorporate a built-in sand interceptor chamber that allows for the settling of sand and gravel prior to the wastewater's entry into the separation chamber as a key design element.



Without Sand-Interception pit

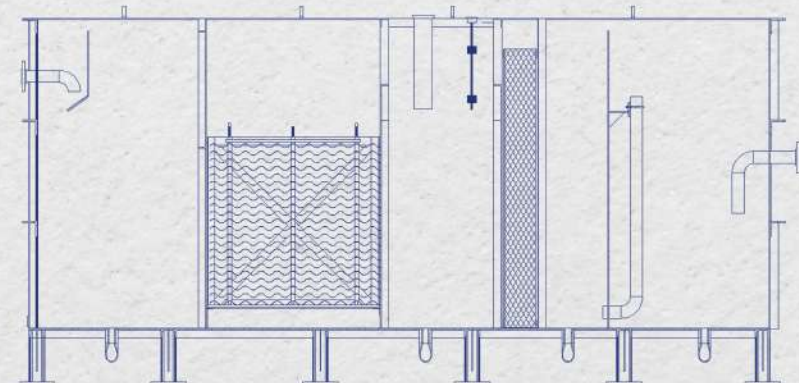
Situations where there is a minimal presence of sand and gravel in the water flow, opting not to use a sand interception pit can be a viable approach. This choice results in a reduction in the system's size, weight, and overall cost.



With integrated Oil Skimmer

Featuring an integrated oil skimmer, this design element facilitates the ongoing removal of floating oil and its disposal into a separate or main-body-attached collection tank, ensuring a consistent and uninterrupted oil removal process.

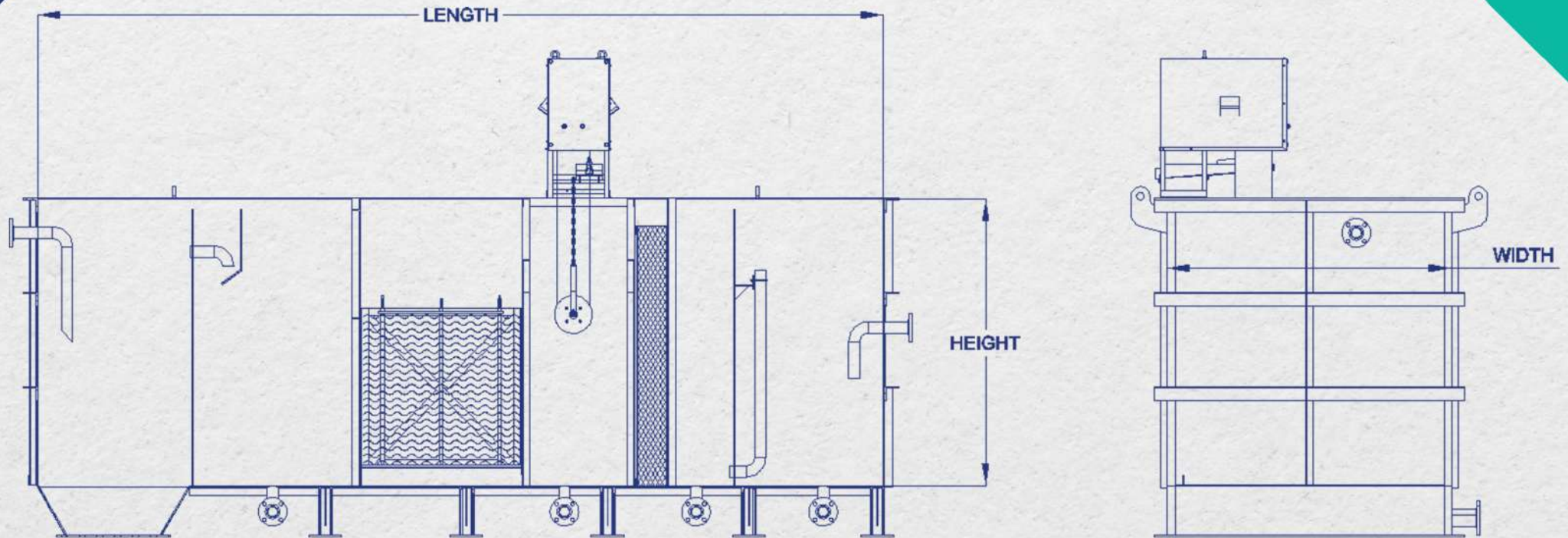
(Note :- For different types of skimmers, please refer our skimmer catalogue)



With integrated Oil Pump-Out system

Incorporating an integrated Oil Pump-Out system, this design element streamlines the periodic extraction of floating oil and its transfer to either a separate or main-body-attached collection tank. The Oil Pump-Out system is equipped with an oil level sensor for automated operation.

MODEL SELECTION MATRIX



MOC OF TANK	MOC OF INTERNALS	TANK DIMENSIONS	CAPACITY	NUMBER OF OIL COALESCING SYSTEM	OIL REMOVING SYSTEM	SLUDGE REMOVING SYSTEM	ACCESSORIES
RCC	MSEP	length	1 m3/hr	Primary oil coalescing system	Belt oil skimmer	V-hopper with pump	Oil collection tank
MSEF	MSFRP	Width	to	Secondary oil coalescing system	Slotted pipe oil skimmer	V-hopper Manual	Foundation tank
MSFRP	SS304	Height	2600 m3/hr		Weir skimmer	Flat bottom with pump	Oil sensor
SS304	SS316				Drum skimmer	Flat bottom manual	Float switch
SS316	SS2507				Chain skimmer	Flat bottom with chain	Heating arrangement
					Disc skimmer	Sprocket system	
					Brush skimmer	Not applicable	

For custom sizes, please contact our sales team, sales@potential.net.in



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