

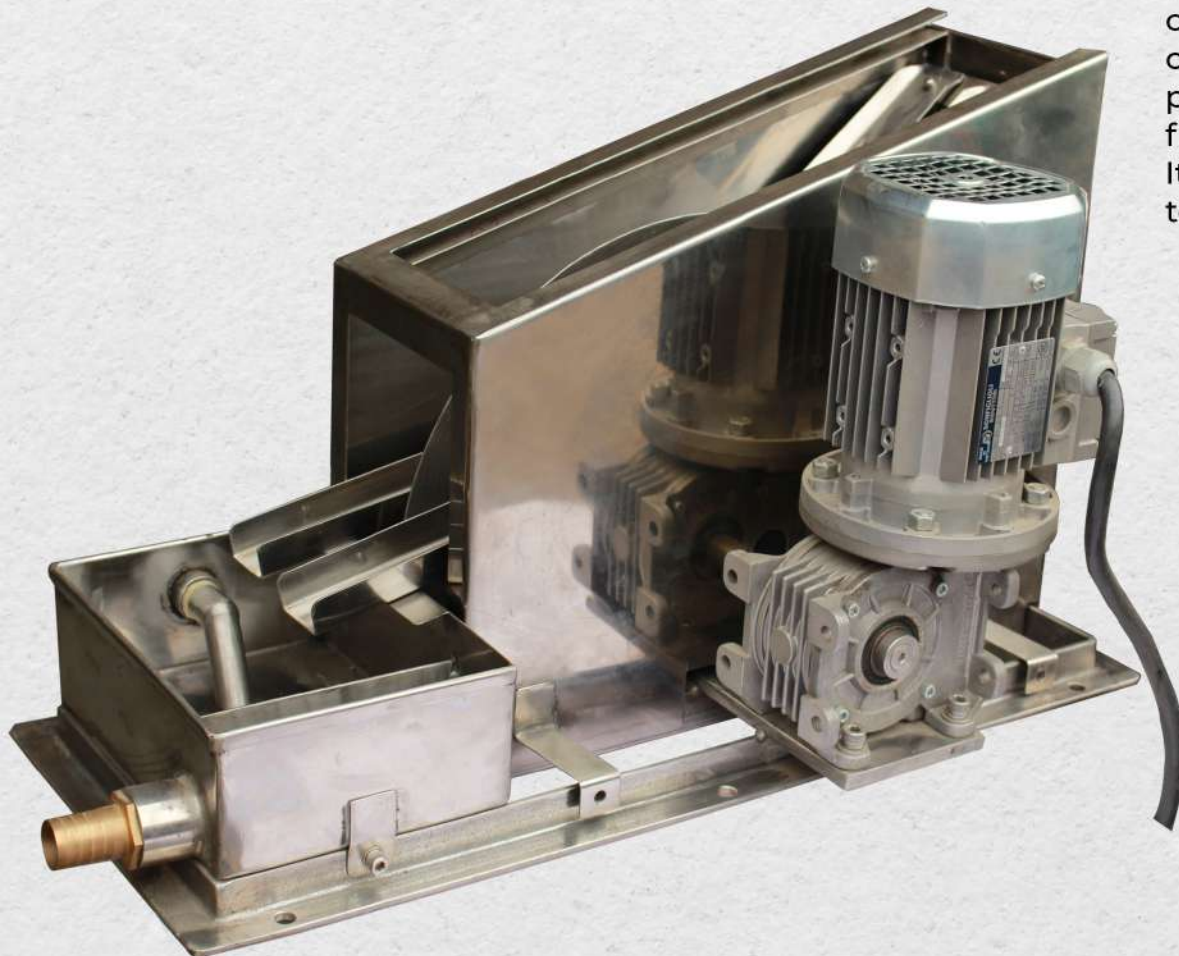
FIXED DISC OIL SKIMMER

An Industrial Oil Skimmer Product

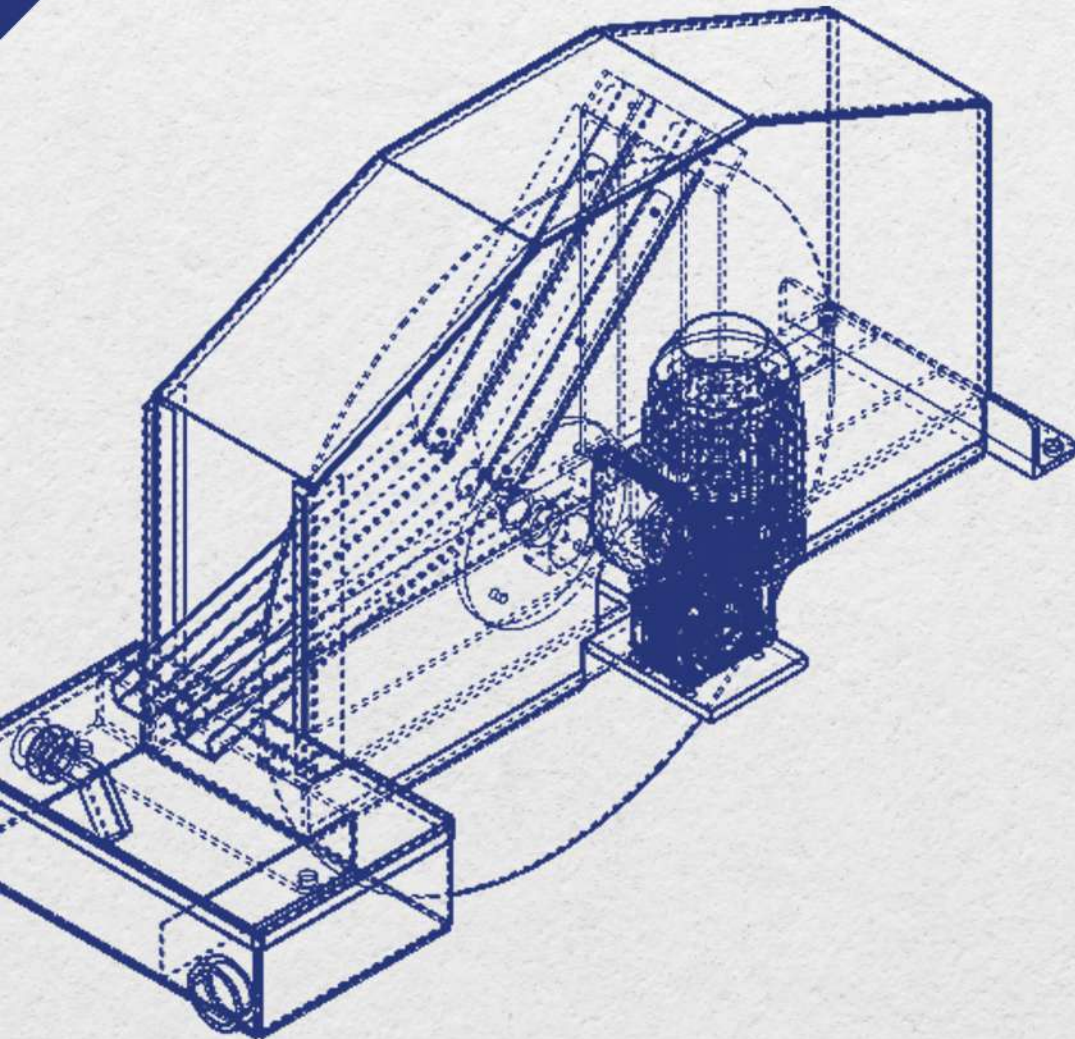


FIXED DISC OIL SKIMMER

In fixed disc oil skimmer oil adheres to the oleophilic disc. During the rotation of disc, the oil adheres the disc and it is carried upward towards a pair of scraper blades. The scrapers remove the oils from the disc. This continuously removes floating oil and dispose into oil collection tank. Our fixed disc type oil skimmer is portable and highly efficient. It is electric driven at a fixed speed. It is available in single/double disc variants. It became popular as the accessory of coolant tanks, due to highly efficient and easy to use character.



ABOUT PROBLEM



Space Constraint

Fixed Disc Skimmer are usually used to recover oil from small target area. Thus the disc skimmer needs to be compact.



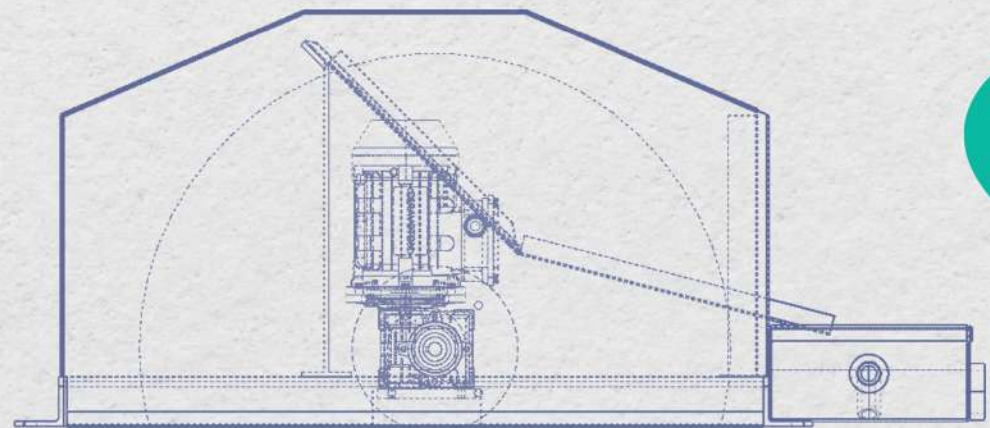
Low Recovery Rate

The Recovery rate of fixed disc skimmer is low due to less speed of rotation.



High Operating Temperature

The fixed disc skimmer sometimes operate in high temperature zone. Which changes the oleophilic properties of the recovery disc.



OUR SOLUTION

Canopy

It gives basic environmental protection. The canopy offers protection from falling objects or accidental contact with equipment

Scraper Assembly

Scraper wipes oil from both side of the disc. After wiping the oil is being channelled by the tray connected under the wiper arrangement. Scraper assembly is designed such that it can be adjusted to have gentle contact with the moving disc.

Decantation Tank

Decantation tank separates the additional water content & diverts it back to the main tank.

Power Unit

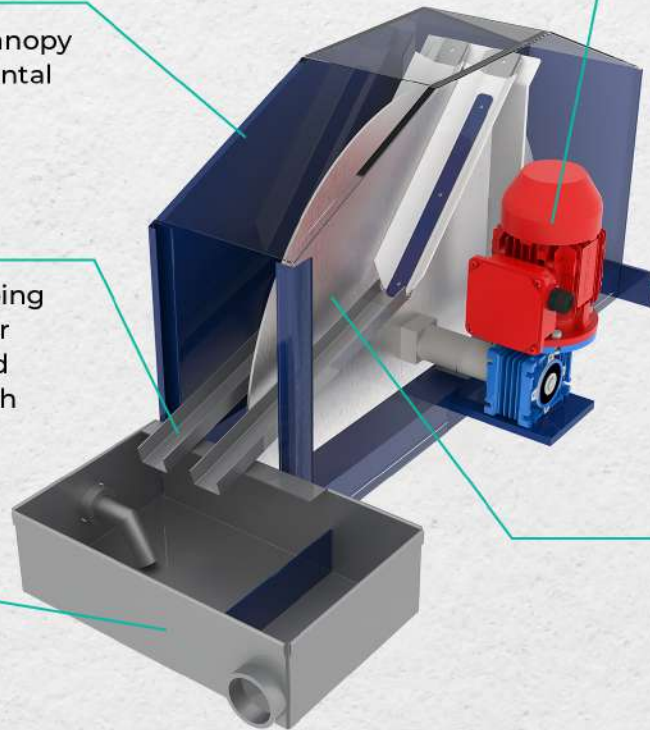
The power unit consists of an Electric motor & gearbox. Plug and play model due to compact design.

Main Frame

Wide range of MOC can be opted. The frame has a function to support the systems loads as well as components.

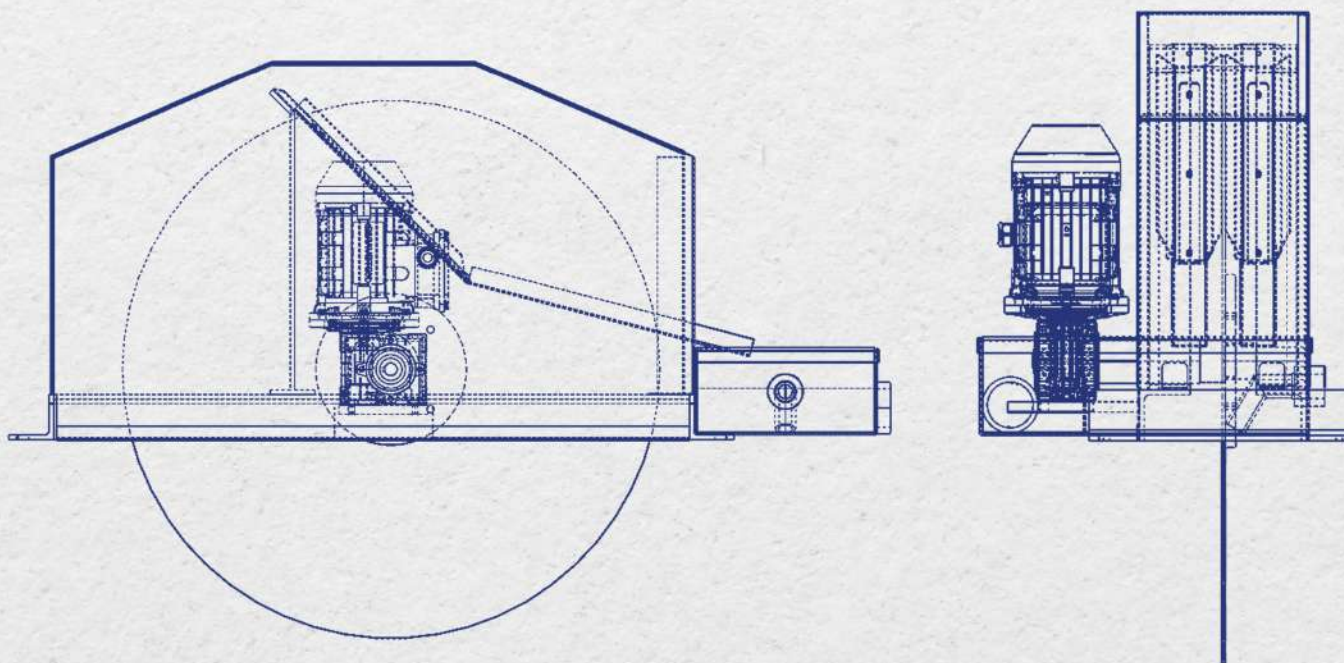
Disc

The rotating oleophilic disc dipped into the water, adheres oil & carries oil upward towards a pair of scraper blades. It is available in single/double disc variants. MOC -PVC & SS304.



- ✔ Compact, reliable, easy to operate and low maintenance.
- ✔ Economical.
- ✔ Saves coolants by removing tramp oil.
- ✔ Plug and play model.
- ✔ Capacity: 5 LPH to 30 LPH.
- ✔ Ease of maintenance.
- ✔ Very compact design suitable for tank top mounting.
- ✔ Ideal for individual machines.

MODEL SELECTION MATRIX



MODEL	MOC OF FRAME	DISC SIZE	MOC OF DISC	DRIVE MECHANISM	CONTROL PANEL	ACCESSORIES
FX-1	MSPC	200	SS304	FLP Motor with Gearbox	DOL starter - Non Flame Proof	HDPE Drum 50 Ltr. + Hose
FX-2	MSEP	380	SS304L	NFLP Motor with Gearbox	DOL starter - Flame Proof	Control Panel
FX-3	SS304	600	SS316		Control Panel - Non Flame Proof	PVC Hose Pipe
	SS316	500	SS316L		Control Panel - Flame Proof	Separate Decantation tank + Hoses
	SS304L		PVC			Supporting Frame
	SS316L					
	SS 2205					

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



Potential Engineering
 Plot No- B-45, MIDC Rd, behind Reliable Cloud City, Digha Naka,
 Yadav Nagar, TTC Industrial Area, Airoli, Navi Mumbai - 400708,
 Maharashtra

sales@potential.net.in
 www.potentialengineering.com
 +91 8591948730 / +90 8104984831 / +91 8104984832