

# TUBE SKIMMER

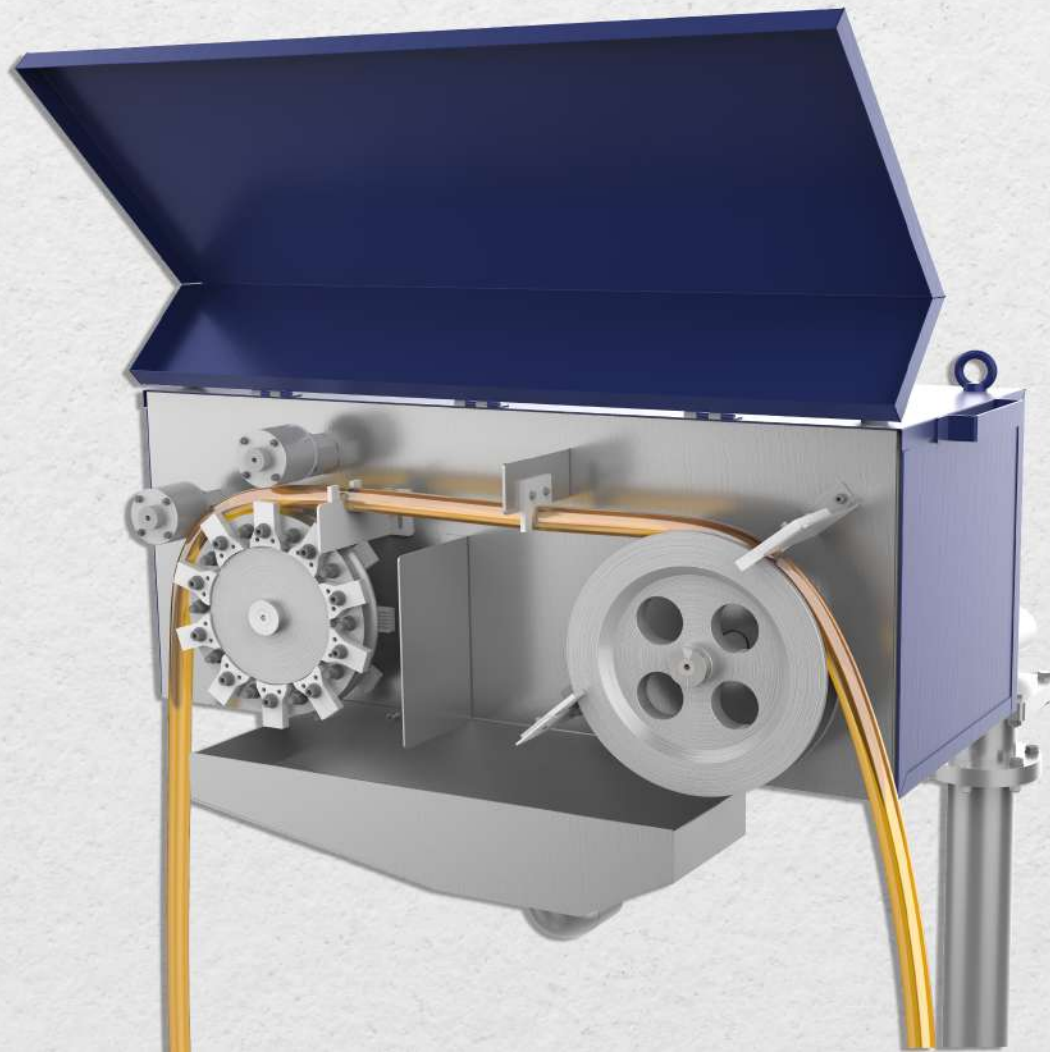
An Industrial Oil Skimmer Product



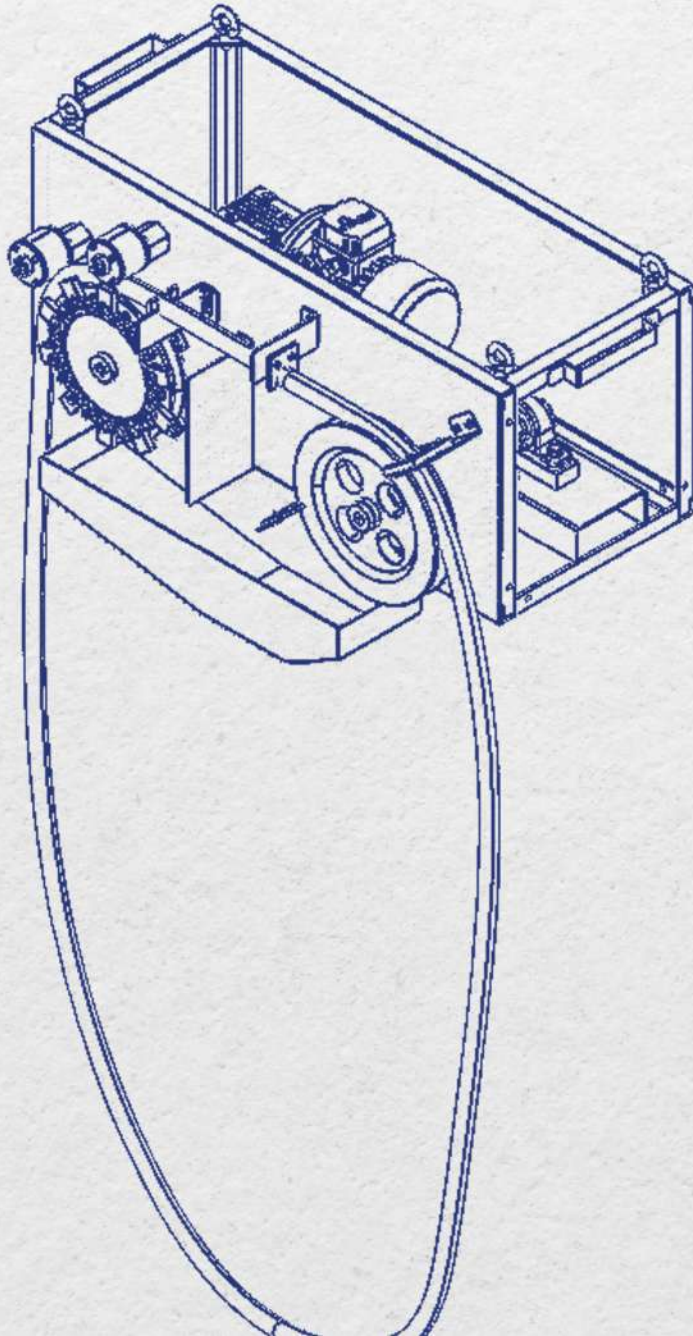


## TUBE OIL SKIMMER

A tube oil skimmer is a surface oil skimmer that effectively removes floating surface oil. Oil skimming makes use of the differences in specific gravity between oil and water. It allows the tube to attract oil and other hydrocarbon liquids from the surface of the fluid. A closed-loop oleophilic tube floats on the surface of the water in a tank or pit drawing the free-floating oils. A unique wiper combination is attached to the tube for oil scrapping. The skimmed oil is collected in a trough from where it flows by gravity to the oil sump.







# ABOUT PROBLEM



## Variable Freeboard

The water level in the tank varies which causes the change in the freeboard and oil level



## Floating Debris

The Floating debris in the tank makes it difficult for the skimming of the floating oil by blocking the its path.



## Ineffective scraping

The Oil adheres to the curved surface of the tube which is difficult to scrap. Some percentage of oil remains stuck to the tube..



# OUR SOLUTION

## Guide Roller

Guide roller used to guide a tube. MOC – Nylon

## Drive Mechanism

Internal drive and driven shaft is driven by a chain sprocket system with tensioning arrangement.

## Scraper Assembly

Scraper wipes oil from both side of the tube. After wiping the oil is being channelled by the tray connected under the wiper arrangement. A unique wiper combination is attached to the tube for oil removal.

## Power Unit

Power unit consist of Electric motor & gear box. Compact electrical motor designed for continuous operating condition.

## Mounting

Cantilever pole & floor types of mounting. Wide range of materials available

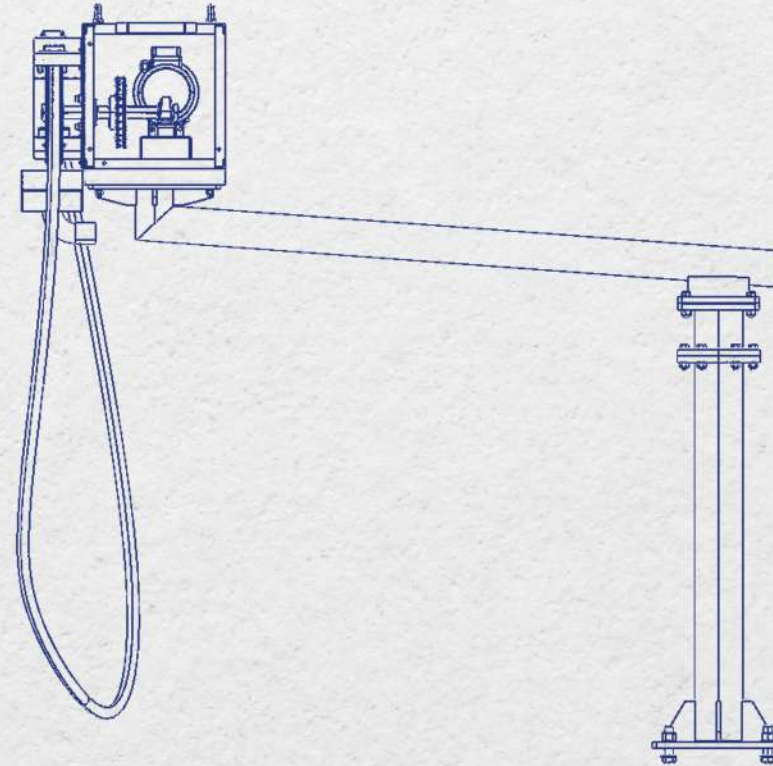
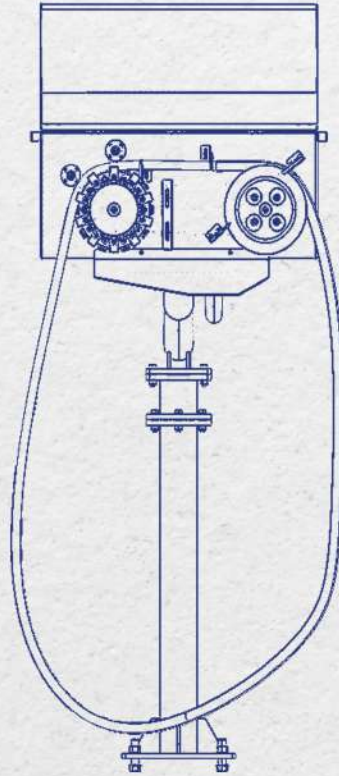
## Tube

A closed-loop oleophilic tube draws the free-floating oils. Tube has property of floating on top of the liquid and thus is capable of collecting maximum surface of the tank liquid.

- ❖ **Ease of maintenance and operation.**
- ❖ **Compact design fits almost any tank or pit.**
- ❖ **The oil is drawn off over a large area by the free-floating oil collector tube.**
- ❖ **Wide range of capacities from 0 LPH to 200 LPH.**
- ❖ **Mounting options – floor and cantilever pole.**
- ❖ **High efficiency.**
- ❖ **Low maintenance and operating costs.**
- ❖ **Automatically adjusts to changing water level**
- ❖ **Wide range of materials available as per client's requirement.**



# MODEL SELECTION MATRIX



MODEL	MOC OF SKIMMER	PULLEY MOC	CONTROL PANEL	ACCESSORIES
T25A	MS	AL	DOL starter - Non Flame Proof	Supporting / Mounting Frame
T19A	SS304	SS304	DOL starter - Flame Proof	Trolley/ Skid
T25B	SS304L	SS316	Control Panel - Non Flame Proof	Drum
T19B	SS316	NYLON	Control Panel - Flame Proof	Separate Decantation tank
	SS316L			Hoses
	NYLON			





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