

TUBE TYPE OIL SKIMMERS

FLUIDMATETM

MASCOT[®]
CNC Tools & Equipments Pvt. Ltd.

Applications

- ▶ Machine shops and tool rooms.
- ▶ ETP and other waste water treatments.
- ▶ **Centralized Coolant Filtration Systems.**
- ▶ Industrial washing machines.
- ▶ Heat treatment and rolling mills.
- ▶ Chemical, Metal, Poultry, Food processing.

Why FLUIDMATE

- ▶ There is no question as to why FLUIDMATE™ is the best solution for waste and recovery efforts.
- ▶ High rate of removal from 6 to 40 ltrs per hour.
- ▶ Reaches difficult areas under the machines and removes oil 400 times more efficiently than conventional skimmers.
- ▶ Custom made tube sizes as per customer requirements
1.2/1.5/1.8/2.5/3.5/6.0
- ▶ Low maintenance and save in power consumption.
- ▶ Easy mounting and unmounting of machine which means better portability.
- ▶ After sales service support.

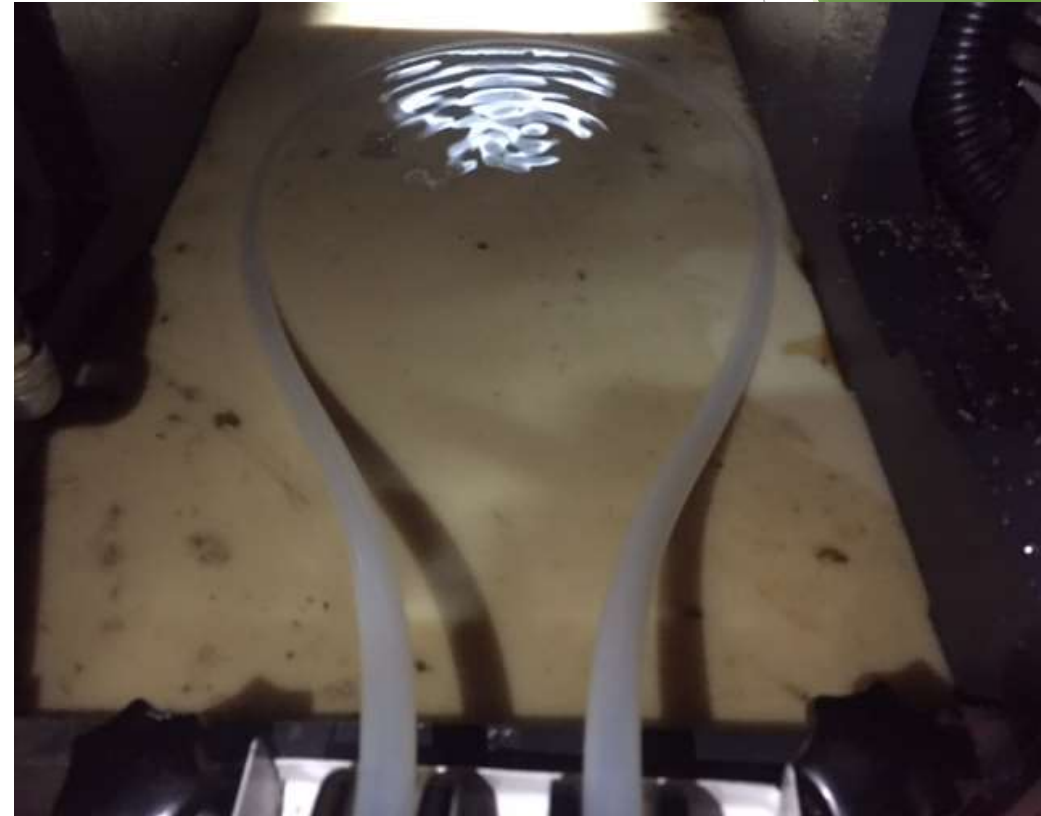
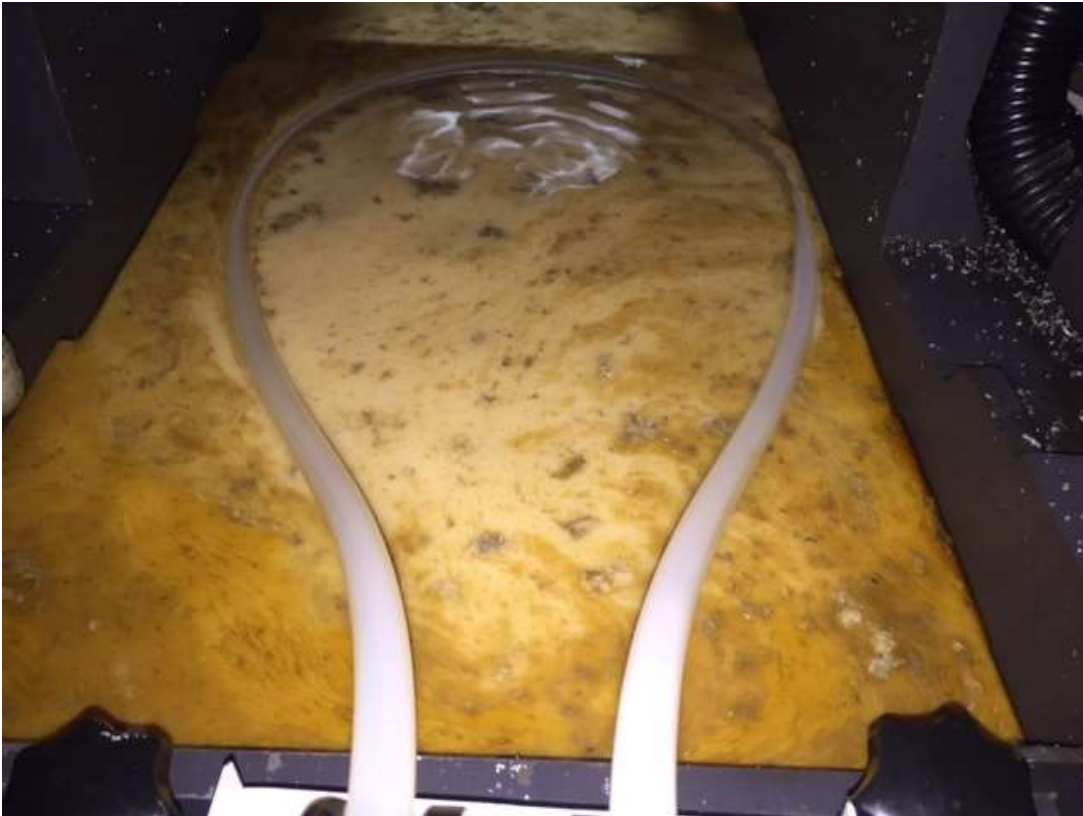
How FLUIDMATE Works

- ▶ At its simplest, the waste oil recovery system separates oil and water using a specially formulated collector tube.
- ▶ It attracts only floating oil, leaving aside water and other solid and sticky particles below the oil
- ▶ Unlike other skimmers, which can get clogged by floating debris, the tube skimmer snakes over and around floating debris, adjusting automatically to changing water levels.
- ▶ The tube is then drawn up into the oil skimmer and through scrapers that remove the oil.
- ▶ The tube then returns to the water surface to collect more oil.
- ▶ The recovered oil flows into a collection container
- ▶ Remove cotton waste, chips or other solid particles once in a day from the oil seal and you will enjoy the maintenance free benefits of the skimmer.

Photo pre oil skimming



Photo post oil skimming-15 mins & 40 mins



Performance Comparison of Skimmers

Parameters	Belt	Disc	Tube(Fluidmate)
Mounting	Machine tank	Machine Tank	Machine Tank
Power Consumption	Need to run for 24 hours	Need to run for 24 hours	1 Hour is sufficient
Oil Removal/Hr (68 cst viscosity)	5 to 10 L/day	10-20 L/day	400 L/day
Wastage of Useful Fluid	About 2 to 3 L in 10 L	About 2 to 3 L in 10 L	About 0.02 L in 10 L
Portability	1 machine/tank	1 machine/tank	1 machine/10 tanks
Fluid Performance	Enhances by 3 to 5%	Enhances by 5 to 7%	Enhances by 30%
ETP Cost for Waste Fluid	Faster fluid deterioration	Faster fluid deterioration	Fluid deterioration <25%
Basic Cost (for 10 tanks)	Rs.10k x 10 = Rs.1 Lac	Rs.12k x 10 = Rs.1.2 Lac	Rs.60k X 1 = Rs.60k
Spares Warranty	No warranty on Belt	No warranty on Disc	1 year warranty on Tube
Performance at high temp	Not beyond 200 deg c	Not beyond 200 deg c	Tested upto 400 deg c
Free Accessories	No freebies	No freebies	1 extra tube & 1 stand

Models:

Fluidmate OS 001
Fluidmate OS 002
Fluidmate OS 003

FLUIDMATE™



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Overview :

1. 10 times faster oil removal in less than 1/24th hour.
2. Less operational power consumption.
3. Low maintenance cost.
4. Increase in fluid life.
5. Low ETP Cost.
6. Lower suction of fluid, so low wastage.

Our Valued Customers



polyhydron pvt. ltd.



Success of  depends on...

YOU!!

Thank you !!!

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