

INTRODUCTION

M/s. Vens Hydroluft Pvt Ltd offers, Floating Drum Skimmer to remove Floating Oil on water surfaces which pose severe environmental problems of high BOD/ COD and spill over of such oils on river/lake/sea bed affects marine life. Methods of converting them to sludges or absorbing them with special media or booms results in high costs, disposal & maintenance problems.

VH takes the lead by offering Drum type Floating Oil Skimmers which are

- Ideally suited for large removal of Floating Oil in
- Large Effluent Tanks in Process/ Chemical Industry
- Oil Bilges on Seas, Estuaries, and Coastal waters
- Oil Discharges on lakes, rivers, ponds
- Refinery ETPs
- Edible Oil Collection Tanks
- Oil Cargo Ports
- Crude Oil Production units etc

Floating Disc Skimmer are excellent oil skimming mechanisms for wiping Floating oil in large water storage areas with high levels of oil contamination – such as harbour/ coastal areas with oil spills, ETP tanks of oil industries/ rigs etc..

MATERIAL OF CONSTRUCTION

- Skimmer Frame - Aluminium marine grade
- Drum - PVC
- Wiper - Teflon (PTFE)
- Oil Collection Tube - Flexible PVC Braided hose

COMMON SPECIFICATIONS FOR HYDRAULIC DRIVE

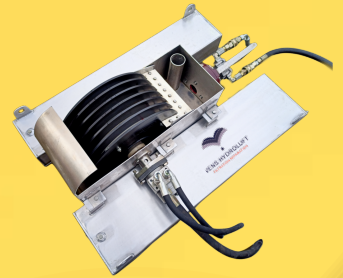
1. Grooved Drum Size 420 mm dia (appx)
2. No of drum 1 bank or More (optional)
3. Oil Removal Capacity Upto 50,000 lph

HYDRAULIC

1. Grooved Drum Drive : Hydro Motor
2. Drive Requirement : Hydraulic Power pack

WORKING PRINCIPLE

The oil sticks to the rotating Grooved drum driven by hydraulic motor. Then it is wiped by wipers and passes to the Skimmer oil collection area. From there, the oil is sucked and pumped to the external oil collection tank by hydraulic submersible pump.



DRUM SKIMMER(GROOVED) TYPE

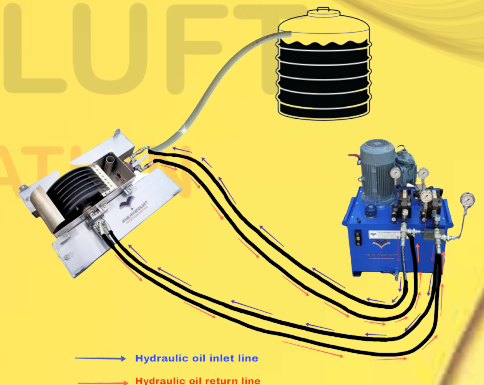
For representation. Actual Product shall vary depending on specification chosen



HYDRAULIC POWER PACK

For representation. Actual Product shall vary depending on specification chosen

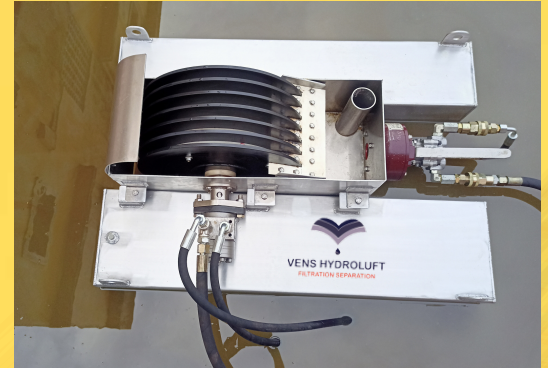
OVERALL CONNECTION DIAGRAM



COMMON SPECIFICATIONS FOR HYDRAULIC DRIVE

1. Drum Size 420 mm dia x 320 mm to 750 mm L (appx)
2. No of disc 7 or More (optional)
3. Oil Removal Capacity Upto 50,000 lph
4. MOC of Aluminium marine grade
5. MOC of Disc (PVC)
6. MOC of Wipe on (PTFE)
7. MOC of Oil collection tube Flexible PVC braided/ Rubber Hose

FLOATING DISC TYPE OIL SKIMMER



HYDRAULIC

- | | |
|-----------------------|-------------------------------------|
| 1. Grooved Drum Drive | Hydro Motor |
| 2. Drive Requirement | Hydraulic Pressure @ 4.8LPM @90 bar |

Optional

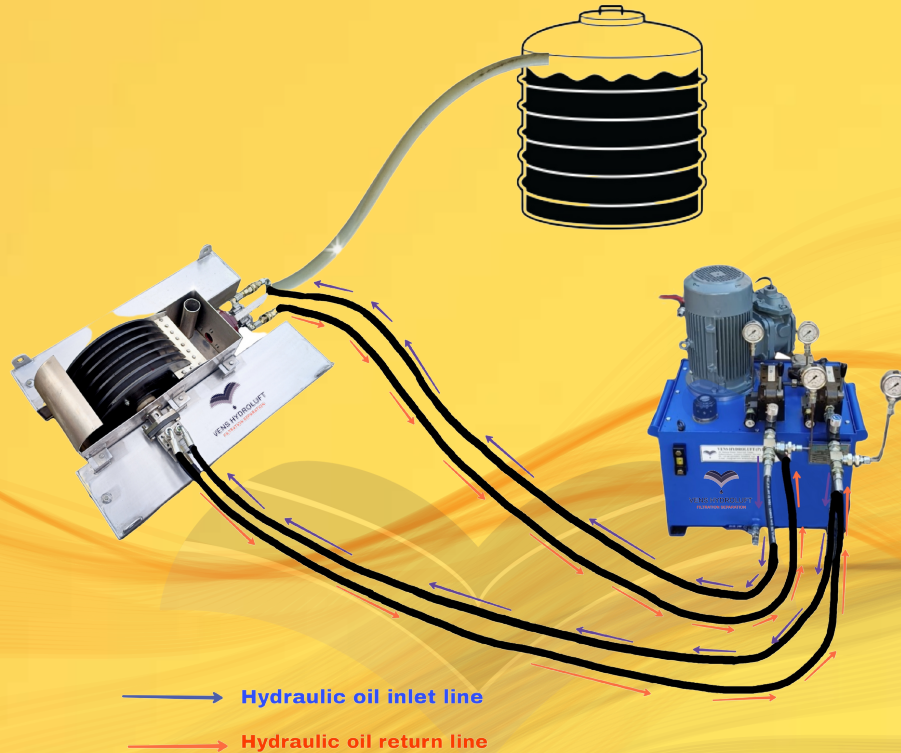
- | | |
|----------------------------------|------------------------------------|
| 1. Oil Transfer Pump | Hydraulic Operated |
| a) Type | Hydraulic pressure @ 8Lpm at 60Bar |
| b) Drive | to suit oil transfer capacity |
| c) Oil Transfer Capacity | To suit requirement |
| d) Hydraulic / Oil Flow Capacity | To suit oil transfer capacity |

2. Source of Drive

- | | |
|----------------------------|---------------------------------------|
| i) Hydraulic Transfer Pump | Hydraulic power pack (optional) |
| ii) Drum Drive | Pneumatic Drum Drive (Optional) |
| a) Type | Reciprocating, Electrically or Diesel |
| b) Pressure | Operated 8LPM @60 Bar |



OVERALL CONNECTION DIAGRAM



WORKING PRINCIPLE

The oil sticks to the rotating disc drum driven by hydraulic motor. Then it is wiped by wipers and passes to the Skimmer oil collection area. From there, the oil is sucked and pumped to the external oil collection tank by hydraulic submersible pump.