

OIL SKIMMER (Float Ball Type)



OIL SKIMMER FLOAT BALL TYPE



FLOATING OIL SKIMMER is designed for industrial and emergency use in clearing unwanted oil and scum from the surface of water. The oil skimmer clears oil and floating scum from the surface of water more quickly than any other method thanks to its huge operation capacity. The Ball type of Oil Skimmer is ideal for every oil spill emergency response kit and can be easily placed at accidental oil spill sites. Also to be applied in Waste Water Treatment Plant for suction oil in water.

SPECIFICATIONS

- Construction : Stainless Steel 304
- Dimensions : Diameter of ball is 300mm
- Range of flow rates : 100 – 36,000 Liters/hr
- Weight : 6-16kg

PRODUCT BENEFITS

- Light (6-16kg) and easily handled
- Easily installed and operated
- Self adjusting (unaffected by changing water levels)
- Low maintenance - no mechanical moving parts - no down time
- Can be set up to operate on gravity alone
- Supplied with connection to suit customer's needs

N.P.T GROUP NHAN PHONG THAI CO., LTD.

161/28/21 Binh Tri Dong Street, Binh Tan District, HCMC.

Tel: + 84 8 54072938 Fax: + 84 8 62601256

Email: sales@npt-group.com, engineering@npt-group.com

- Multiple units can be connected using our custom built manifold for larger clean-ups (optional)
- Can easily be controlled from onshore by hose
- Intrinsically safe (ideal for mining etc.)
- Supplied fully assembled

APPLICATIONS

- Emergency spill recovery - Can be used in open waters such as lakes, rivers and harbours . The oil skimmer is often used for emergency oil spill cleanups and general oil spills.
- Widely used to remove floating oil, fats or other material from tanks, sumps and pits for pretreatment step of waste water treatment plant in industry.
- The skimmer is designed to remove free-floating oils fats, grease and other material from the surface of water in indoor and outdoor applications. Typical applications include oil/water equalization tanks, oil/water separators, settling and cooling ponds and many other applications.
- Food processing industry - removal/skimming of animal fats and grease or vegetable oils from a plant's wastewater stream.
- Parking Lots & Garages - removal of oil and other floating liquids due to leaks or spills. Normally all water, oil, fuels etc. from petrol station driveways wash down into some form of pit. This mixture must be separated and the waste oil/petrol that the skimmer collects is pumped out and disposed of. The remaining water is treated and put into the sewer mains.
- Sewer Treatment Plants - Can be used in different stages of sewer treatment.
- Storm water run-off sumps and pits - Will remove floating oils/contaminants from storm water run-off before it enters into river systems or oceans.
- Manufacturing plants - Most manufacturing or processing facilities have circulating water systems. The water collects in a holding tank or sump. Removing floating waste liquids with little water content can reduce the cost of disposal.
- Outdoor Ponds, Lakes, Basins, etc. - Where floating oils are present, our Skimmers provide inexpensive and effective removal, solving a serious environmental problem.
- Transportation - The application exists in the wash down waste water sumps. After transportation vehicles are washed out, the water travels to a collection sump. The Float Ball Oil Skimmer can be placed in the sump to remove all detergents, oils and any other floating contaminants that may have been inside the transportation vehicle.
- Steel industry - Several stages may include cooling tanks that require removal of contaminants. Petrochemical industry - The Float Ball Oil Skimmer has several applications in petrochemical/refinery plants. Applications include storage tanks, cooling ponds and waste water tanks just to name a few. Because of its versatility, the Float Ball Oil Skimmer can be applied to almost any application

throughout a petrochemical/refining plant where water and floating liquids need to be separated.

- Oil/water separators - Generally the Float Ball Oil Skimmer can be used in any industry/business where an oil/water separation system is currently in place.

AUXILIARY EQUIPMENT SYSTEM

(Option: Scope of Client or Supplier)

Diaphragm pump : Installed onshore and controlled by air compressor

Suction Hose : Connect Oil Skimmer to pump (PVC Hose Pipe)

Oil storage tank : Pe or FRP type (200L-2,000L) (optional) installed onshore

DIMENSIONS

Skimmer Model	Weight (Kg)	Max Capacity (m3/h)	Suction Hose (mm)	Diaphragm pump (Inlet/Outlet)	Air supply (Nm3/h)
DN25 (1") NPT	6	1	25mm	1"	8.5
DN40 (1/1/2")NPT	9	3	38mm	1/1/2"	17
DN50 (2") NPT	10	6	51mm	2"	35
DN80 (3") NPT	15	18	76mm	3"	153
DN100 (4") NPT	16	36	102mm	4"	255