

OIL SKIMMER

CFA Series

Oil Skimmer

The oil skimmer can effectively separate a variety of finished greases, diesel, animal and vegetable oils, mineral oils, crude oil, fuel oil, coolants, detergents and various oily scums in water to purify the water quality.



Product features

The product is small in size and light in weight, with high oil removal efficiency, reliable operation and long service life. It can be widely used in water treatment systems in industries such as metallurgy, machinery, chemical industry, light industry and railway transportation, such as various advection sedimentation tanks, drainage ditches, iron filings pits or oil collection tanks for oil removal (skimming).

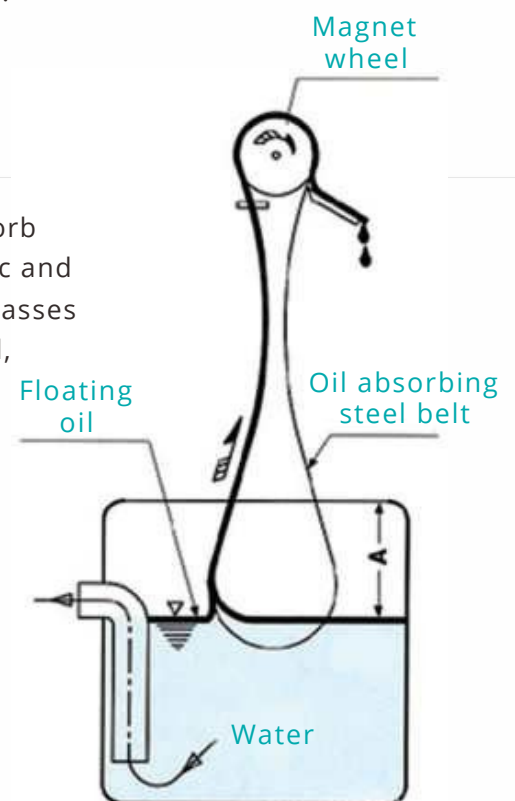
Working principle

Steel belt oil skimmer is also called oil scraper, oil remover, oil-water separator, floating oil skimmer, etc.

It uses the density difference between oil and water to absorb the grease on the water surface through a special oleophilic and hydrophobic oil-absorbing steel belt. When the steel belt passes through the oil scraper, the grease is scraped and collected, thereby removing the oil on the liquid surface, reducing water pollution and achieving the purpose of recycling.

Operating environment requirements

- ①. Liquid temperature is between 10 and 70°C.
- ②. The pH value of the liquid is between 3 and 11.
- ③. The specific gravity of the mixed liquid is above 1.0.
- ④. The viscosity of the mixed liquid is below 1.0.
- ⑤. Media with surface tension above 70DGN/CM.



Product display

Small oil skimmer

Due to their small size and easy installation, small steel belt oil skimmers are often used with various CNC machine tools, machining centers, small cooling pools, cleaning machines, printing and dyeing, waste water tanks, food machinery, ultrasonic cleaning equipment, etc. The main function is to remove floating oil from cutting fluids, emulsions, coolants and other processing fluids, extend the service life of the processing fluid, improve processing accuracy, save costs and reduce energy consumption.



CFA-6L



CFA-13L



CFA-25L

Medium oil skimmer



CFA-50L



CFA-120L

Medium-sized steel belt oil skimmers are often used in cooling pools, degreasing pools, cleaning machines, printing and dyeing, wastewater tanks, cleaning tanks, food machinery, ultrasonic cleaning equipment, auto repair shops, gas stations or machine tool water tanks with high oil content.

Large oil skimmer

Large steel belt oil skimmers are selected according to the on-site working conditions, such as single steel belt FA-75L or FA-150L and multi-steel belt parallel skimmers FA-350L, FA-500L and FA-750L. They have fast oil removal speed and high efficiency, so they are often selected as pre-treatment equipment in various water treatment facilities and wastewater deep treatment projects; they are also commonly used as degreaser pools, machine tool cutting fluid pools, steel rolling emulsion pools, cleaning equipment degreasing tanks, flotation separation pools, oil-containing wastewater oil separation tanks, pretreatment regulating tanks, various coolant circulation tanks, auto repair shops, gas stations, etc. to remove and collect floating oil, so as to achieve the purpose of wastewater recycling.



CFA-75L\150L



CFA-350\500\750L



Application



Specifications

Model		Oil removal speed	Belt perimeter	Belt width	Power	Power supply	Weight	Installation	Liquid temperature
Small	CFA-6L	6L/H	1m	50mm	6W	1phase 220V 50Hz	4kg	Magnet adsorption or screw fixation	≤20°C
	CFA-13L	13L/H	1m	50mm	14W		5kg	Magnet adsorption or screw fixation	≤70°C
	CFA-25L	25L/H	2m	70mm	14W		5kg	200mm bracket fixing	
Medium	CFA-50L	50L/H	2m	100mm	25W		13kg	150mm bracket fixing	
	CFA-120L	120L/H	3m	200mm	60W		20kg	150mm bracket fixing	
Large	CFA-150L	150L/H	6m	200mm	60W	1phase220V/ 3phase380V 50Hz	35kg	800mm double bracket fixing	≤70°C
	CFA-350L	350L/H	6m	2*200mm	400W	3phase 380V 50Hz	75kg	800mm bracket fixing	
	CFA-500L	500L/H	6m	3*200mm	750W		85kg	800mm bracket fixing	
	CFA-750L	750L/H	6m	5*200mm	1500W		95kg	800mm bracket fixing	