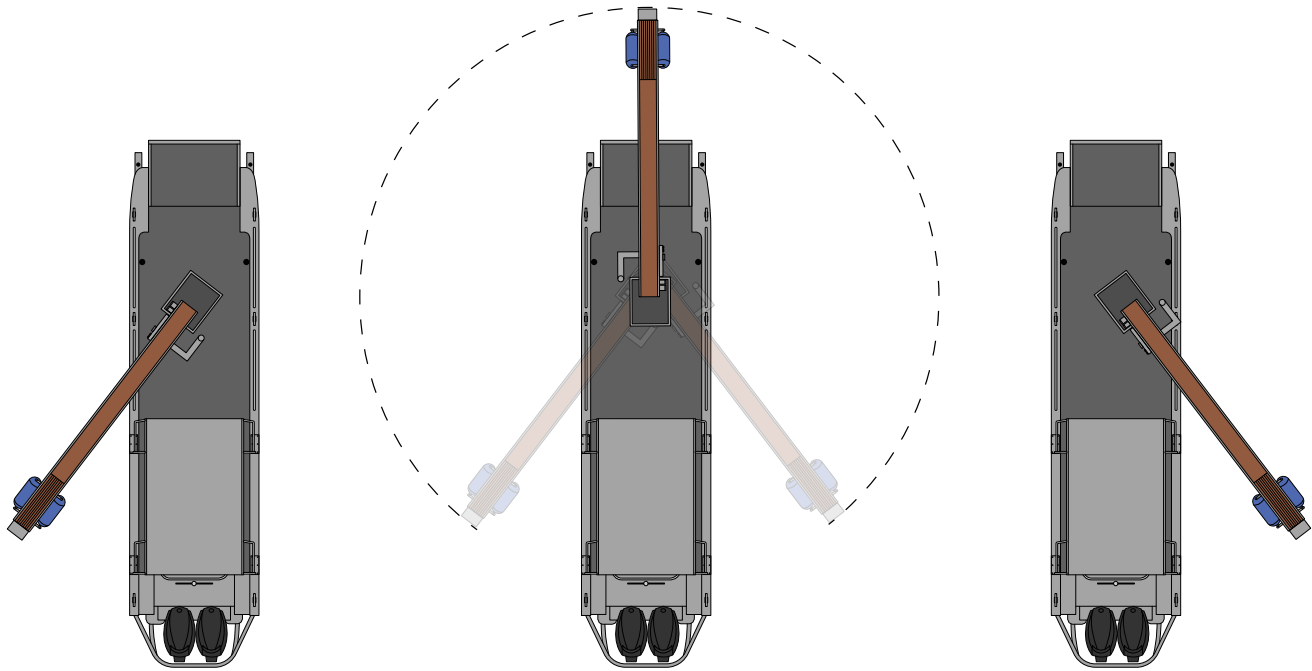


ELASTEC / Marco
Portable FilterBelt Skimmer
Oil Recovery System



Oil Spill Equipment | Floating Barriers | Incinerators



The ELASTEC / MARCO Portable Filterbelt Skimmer filters oil and debris from the water. The water passes through the belt while the oil is scraped into a sump hopper. Debris is manually collected in a separate container. This system has been incorporated into 279 custom built oil skimming vessels worldwide since 1973. It is now available from Elastec in a portable platform that can be deployed from vessels of opportunity such as landing craft, barges and fishing boats. Formerly called the Marco SideWinder, this skimming technology has been tested by the U.S. Navy and at Ohmsett. The SideWinder was deployed in several oil spills in previous years, including the Exxon Valdez incident in 1989.

The FilterBelt Skimmer can be used in both stationary and advancing modes, with or without booms. It features an induction pump which pulls oily water through the belt. Due to the nature of the belting material, primary separation of oil from water takes place at the surface of the water. Once the belt reaches the top, heavy oil and debris are removed by the scraper and drained into the collection hopper. Light oils can be recovered using optional pads attached to the belt passing through a squeeze roller.

Utilizing a powerful induction pump, the backing belt with optional pads is extremely effective in recovering highly viscous to very light debris-contaminated oils. The sump hopper is fitted with both a screen for debris separation and a siphon system to return water to the belt.

The ELASTEC / MARCO Portable Filterbelt Skimmer is available in several lengths and is packaged with a hopper, hydraulic hoses and mounting assemblies. Options available are davit, D10 diesel driven hydraulic power unit, recovered oil transfer pump, Filterbelt pads (for light oil), trash/debris sacks. * Alternative size available on request. The unit requires a crane or davit for handling.

Oil Recovery Rate (ORR)

Group 2: Persistent oils up to 145 gpm / 33 cu.m per hour (using lube & crude recovery pads)

Group 3 & 4: Persistent oils up to 300 gpm / 68 cu.m per hour (using the backing belt only)

Specification

Skimmer Frame Length:	15 ft / 4.5 m (Other sizes available on request.)
Belt Surface Length:	14 ft / 4.2 m
Belt Surface Width:	1 ft / 0.3 m
Weight:	395 lb / 179 kg
Max Working Angle:	30 °
Max Operation Height:	44 inch / 1.11 m above water surface
Hydraulic Requirements:	Belt: 6 gpm / 23 lpm @ 2,500 psi / 172 bar Induction Pump: 4 gpm / 15 lpm @ 2,500 psi / 172 bar
Oil Sump Hopper:	130 gallon / 492 litre
Dry Weight:	125 lb / 57 kg

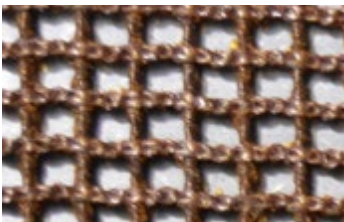
The ELASTEC / MARCO Portable Filterbelt Skimmer can be deployed over the bow or the side of the vessel - to empty a boom sweeping system, for example. Its unique ability to handle debris-laden oil alleviates one of the most challenging recovery obstacles that responders encounter.



Photo courtesy: www.cleansails.fr

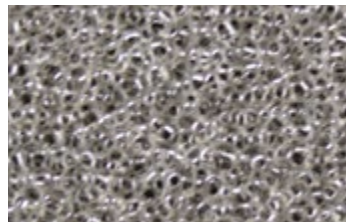
There are multiple types of pads that can be used with the ELASTEC / MARCO Filterbelt Skimmer depending on the type of oil you are collecting. The images below highlight the belting material and three popular pad options.

Elastec is the exclusive service provider for Marco FilterBelt and FilterPad replacement parts and accessories. Contact us for information.

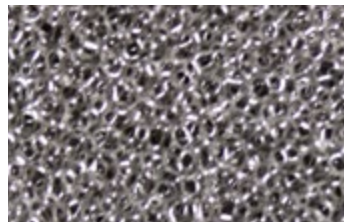


Backing Belt
#K104635

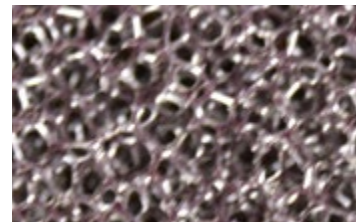
Extension
#K24416



Sheen Pad
#K104637



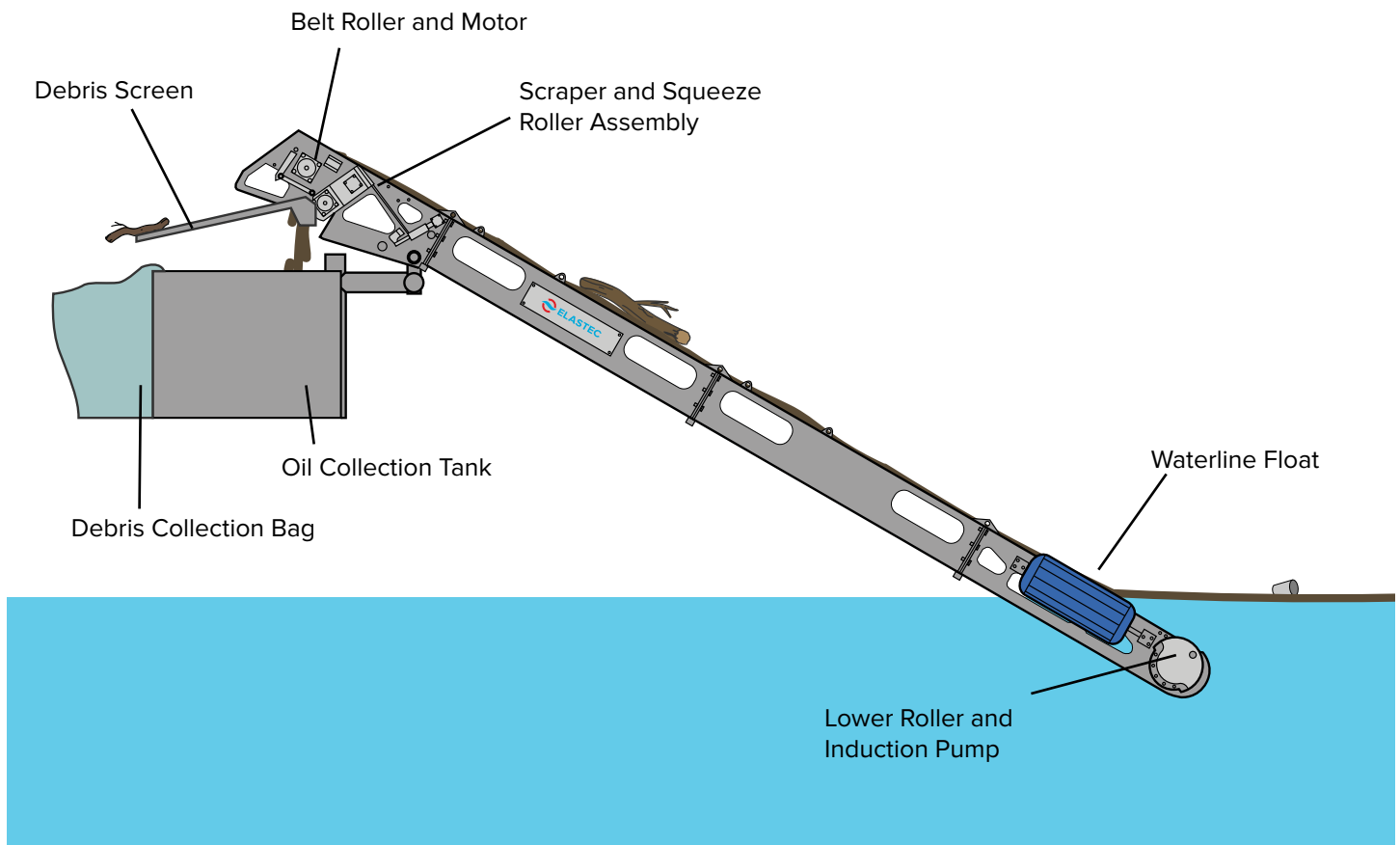
Diesel Pad
#K114428



Lube & Fresh Crude Pad
#K103672

How It Works

The Elastec / MARCO Portable Filterbelt Skimmer is an oil adsorbing conveyance belt system that filters oil and debris from the water. The induction pump draws water through the filterbelt, the oil sticks to the belt and travels up to the top where it is recovered by a scraper and squeeze roller, draining into the collection tank. Any debris that is entrained with the oil is separated with a screen at the top of the collection tank.



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