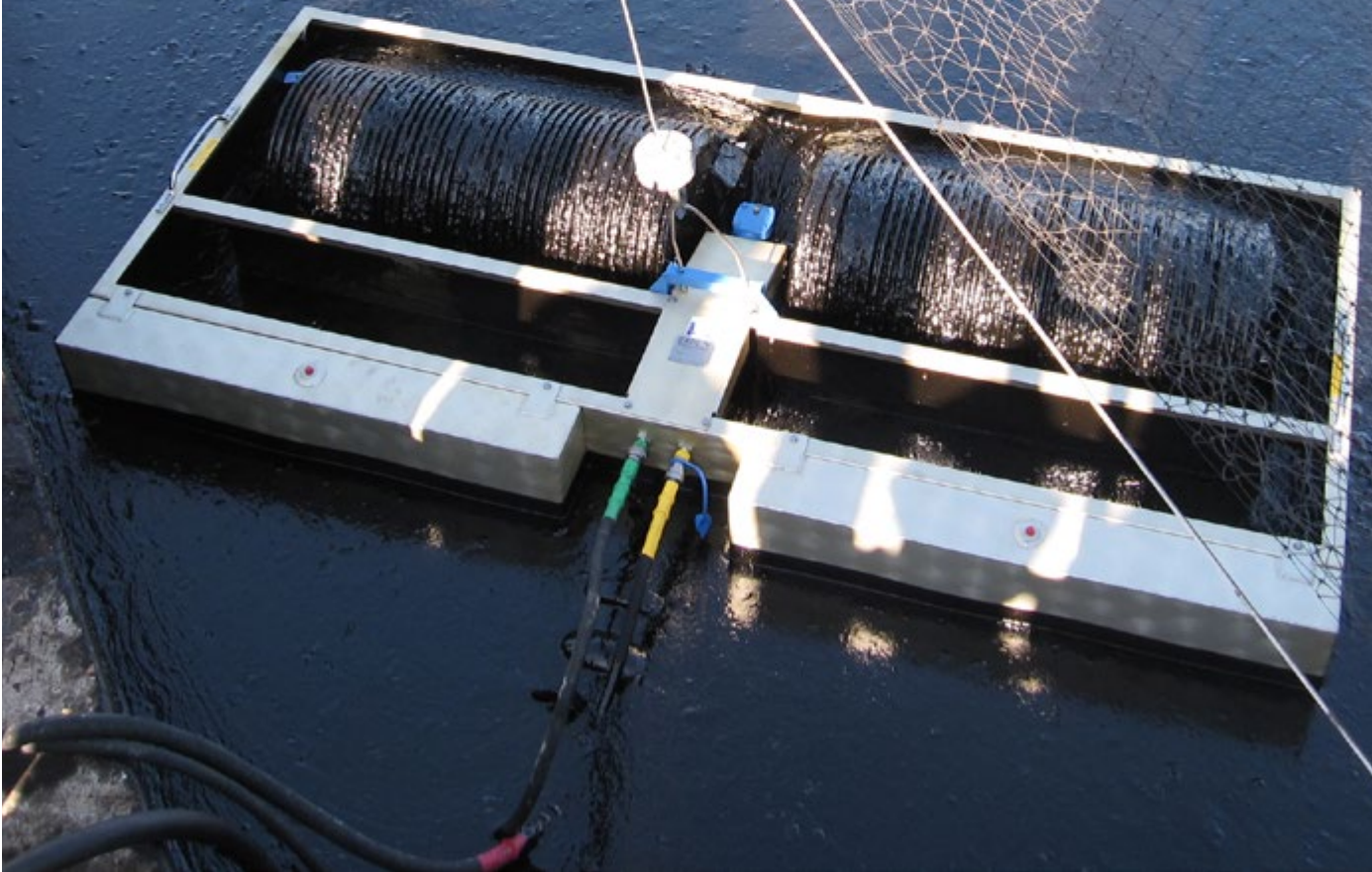


ELASTEC

# TDS136

Drum Skimmer



Oil Spill Equipment | Floating Barriers | Incinerators



The TDS136 is a skimmer that has been used in countless oil spills; its performance has been certified and independently tested. Its' skimming capacity has been verified by the US Coast Guard. The original design concept was patented in 1990. Thousands of Elastec drum skimmers have been sold worldwide and proven themselves both in emergency response but also industrial applications. The fact that the skimmer is suitable for continuous duty is a testament to the design concept. It is suitable for oil spill response or industrial use. Due to its shallow draft and lightweight design (135 lbs /61 kg), the TDS136 skimmer is ideal for cleanup in shallow waters such as creeks, rivers and lakes as well as harbors and near shore.

Elastec drum skimmers are able to recover a wide range of oils and sheen, from diesel to crude oils.

The TDS136 skimmer features heavy-duty high density Polyethylene drums, which are resistant to impact and abrasion. They not only serve as the rotating oleophilic element that selectively recovers the oil from water, they also provide buoyancy for the skimmer. The skimmer can draw oil in from all directions. The drum material is resistant to many chemicals found in industrial pits, sumps, separators and tanks. The self-adjusting wiper blades recover oil from the face and side of the drums as they rotate. The wipers can easily be replaced without tools.

Drive is provided for the drums by a centrally mounted gearbox (provides even weight distribution), this gearbox provides the torque necessary to turn the drums in heavy oils as well as allowing for fine control of the drum speed. The drum shafts are supported by self-aligning bearings. This is all mounted in a lightweight anodized marine grade aluminum frame with open and steeply inclined pathways that direct recovered oil to the collection sump. The open design facilitates cleaning and removal of any debris or trash. A removable trash screen prevents larger items entering the recovered oil pump.

The TDS136 is capable of recovering both light and heavy oils with very low water content - typically around only 3%. It may be fitted with either an air or hydraulic drive motor. We offer a choice of pumps in different materials to suit the application.

The skimmer may be fitted with steam coils as an option to provide heat that warms the oil that's being recovered (to aid pumping and prevent freezing) as well as melting ice surrounding the skimmer.





The TDS136 is offered with either the original smooth drums or the latest patented Grooved Drums which can achieve higher oil recovery rates. The Grooved Drum design has been extensively tested by the Ohmsett test facility and researched by the University of California, Santa Barbara. Test reports are available on request.

Elastec pneumatic skimmers are fitted with air motors that conform to EC Directive 94/9EC (ATEX 100a) for zones 1 and 2 (Group II, category 2, Gas and Dust Atmospheres) and a maximum surface temperature of 275 F / 135 C.

### Specification

Smooth Drum Nameplate Capacity:	77 gpm / 17 cu.m per hour*
Grooved Drum Nameplate Capacity:	170 gpm / 38 cu.m per hour**
Number of Drums:	2 (Polyethylene HD)
Frame:	Anodized marine grade aluminum***
Handles and Tether Points:	Included
Wiper Blades:	Self-adjusting (spring loaded) Spare wiper blades included
Wiper Retainer:	Mounted with stainless steel pins & springs
Dimensions:	92 x 42 x 18 inch / 2.34 x 1.07 x 0.46 m
Weight:	135 lb / 61 kg
Drive:	Pneumatic or Hydraulic
Max Operating Temp:	158°F / 70°C
Sump Coupling:	4 inch female camlock (adaptors provided)
Draft Light:	3 inch / 75 mm (may vary according to pump)
Lifting Point:	Certified Wire
Air requirements (for pneumatic models)	
Skimmer only:	5 - 15 cfm, 50 - 100 psi
Skimmer and M4 Diaphragm Pump:	20 - 70 cfm, 50 - 100 psi

Optional: Spares kit, disc and brush inserts, trough guard, steam coils.

\* Nameplate capacity verified by the US Coast Guard.

\*\* Tested at the Ohmsett test facility according to ASTM F2709

\*\*\* Stainless steel frame optional - High temperature version available



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