

DESMI MINI-MAX
Self-adjusting floating weir skimmer



Swivel adjusts for different angles of suction hose.



Totally self-adjusting – the DESMI MINI-MAX incorporates the latest self-adjusting weir lip with full articulation allowing the weir to react to water movements.

Shallow draft and lightweight – weighing only 22 kg / 48 lbs with a maximum operational draft of only 12 inches / 30cm the DESMI MINI-MAX is ideal for industrial, inland and coastal oil spill operations.

360 degree oil access - oil has uninterrupted flow into the central hopper, buoyancy is provided by the central float.

Reliability - as the DESMI MINI-MAX is constructed from robust materials, it is ideal for installation in oil pits, API separators and other process lagoons where long-term unattended operation is required. The skimmer head is virtually maintenance free!

Simple operation - the DESMI MINI-MAX does not require compressed air or hydraulic power to adjust the skimming depth, this is simply achieved by regulating the suction rate.

The unique DESMI MINI-MAX is a self-adjusting weir skimmer that is capable of recovering a wide range of oils and products floating on the water surface.

The DESMI MINI-MAX skimmer head may be connected to any self-priming suction pump - preferably with a variable speed and a two or three inch suction connection. RO-CLEAN DESMI is able to provide a variety of pumps to suit many applications.

Capacity and viscosity handling of the skimmer head is determined by the suction pump or vacuum system attached to the skimmer. Vacuum systems are ideal as they can pull a deep suction.

It is ideal for small industrial separators, tanks and waters. This skimmer can be coupled directly to a vacuum truck or other suction pumps such as diaphragm pumps. In this mode it may be considered for use in hazardous areas.

The DESMI MINI-MAX is ideal for skimming a wide range of products – as long as it floats and flows the DESMI MINI-MAX will be able to recover it!

We typically package the DESMI MINI-MAX with a diesel driven 3-inch diaphragm pump in a convenient aluminium storage and shipping box.

We can also provide electric, pneumatic and hydraulic driven diaphragm, peristaltic and centrifugal pumps.

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TECHNICAL DATA October 2002

Nameplate capacity:	35 to 50 m ³ per hour / 154 to 220 US gpm dependant on pump or vacuum capacity
Inlet weir:	Self-adjusting 0.6 m / 24" diameter
Operating draft:	0.3 m / 12"
Weight:	22 kg / 48 lbs
Max solids size:	2 inch – refer to pump
Suction connection:	3" Stainless steel Camlock type male with swivel joint and bend
Dimensions:	0.8 m diameter x 0.33 m / 32" x 13"



The DESMI MINI-MAX skimmer performs exceptionally well with vacuum systems such as our RO-VAC unit. The skimmer head is able to accept solids up to 2 inches diameter (when the trash screen is removed), which pass directly into the vacuum tank. This combination is therefore ideal for inland rivers and marshes where high amounts of weed, grass and vegetation may be present with the oil.

Vacuum systems are also able to create sufficient suction to pull heavy oils.

SPATE DIAPHRAGM PUMP

Driven by diesel engine these pumps deliver higher performance than air operated models of diaphragm pumps. RO-CLEAN DESMI can supply the DESMI MINI-MAX in a complete package of skimmer, suction pump, hoses and storage container. The container is supplied with lifting eyes and fork channels.



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