



BELT - Heavy oil recovery system

PROVEN OIL SPILL TECHNOLOGY

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The BELT skimmer is available as a separate unit, or as an attachment to the powerful TERMINATOR skimmers.

The BELT skimmer is able to be operated in either direction (depending on the oil type) to pull in and discharge the oil into the hopper where the DOP-250 DUAL pump is housed.

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The BELT skimmer combined with the powerful capabilities of the pump can also be enhanced with the annular water injection system that greatly reduces the pressure loss in the discharge hose.

The water injection flange can be mounted on the inlet or outlet of the pump, with hot or cold water injection. Added to this we can even deliver the BELT skimmer with more options such as remote control and thrusters!



Advantages of BELT:

- Enhanced recovery of heavy oils
- Belt attaches onto the TERMINATOR skimmer or supplied as complete system
- Water injection system available for reducing back-pressure in discharge hose
- Thrusters are available for remote positioning
- Remote control options
- New DOP-250 DUAL offloading pump may be detached from skimmer for transfer operations

TECHNICAL DATA

Dimensions - L x W:	Approx. 2.1 x 2.3 m
Skimmer weight without belt module:	Approx. 340 kg
Skimmer weight with belt module:	Approx. 475 kg
Required hydraulic flow - pump + belt:	Max. 160 l/min.
Required hydraulic pressure:	Min. 0-210 bar
Chain belt dimensions - L x W:	Approx. 1.2 x 0.8 m
Total belt length:	2.5 m
Chain material:	Polyethylene, series 800
Chain wheel material:	Polyethylene, Intralox 800
Required hydr. flow for belt drive:	0-25 l/min.
Thrusters for positioning of skimmer:	Optional

Radio remote control of skimmer and thrusters: Optional

DOP-250 DUAL	
Weight:	80 kg/176 lbs.
L x W x H:	0.55 x 0.36 x 0.59 m/22" x 14" x 23"
Min. manhole diameter:	0.58 m/23"
Pump outlet:	4, 5 or 6" Cam-locking type male
Max. pressure:	10 bar/150 PSI
Max. capacity:	100 m ³ /hr./440 USGPM
Viscosity range:	1 to > 1 million cSt
Screw:	Double-curved Archimedes' screw in cast stainless steel (Ni-Resist), machined in a 5-axis CNC centre.

Casing:	Casing in seawater resistant aluminium, cast iron, or stainless steel. Standard is aluminium. Replaceable polyethylene sealing ring.
Plate wheel:	High-tensile steel core with replaceable sealing discs of polyethylene HD.
Prime mover:	DANFOSS hydraulic motor, type OMTS 200 (Other OMTS types at request)
Max. speed:	800 rpm continuously
Max. input power:	47 kW/64 HP continuously
Max. hydraulic oil flow:	160 l/min./42 USGPM continuously

For more information on Oil Spill Response systems, please visit www.desmi.com

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