

BELT

- Heavy oil recovery system

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.

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

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!



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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

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- Contact one of the offices below for further information



All information is subject to change, and pictures are for illustration purposes only, and not necessarily correct.

www.ro-cleandesmi.com



Head Office
RO-CLEAN DESMI A/S
Hestehaven 61
DK-5260 Odense S
Phone: + 45 65 91 02 01
Fax: + 45 65 48 16 15
E-mail: Denmark.ro-clean@desmi.com

U.S.A. Office,
APPLIED FABRIC TECHNOLOGIES INC
PO Box 575,
227 Thorn Ave,
Orchard Park, NY 14127
Tel: +1 716 662 0632
Fax: +1 716 662 0306
E-mail: bestboom@afti.com

U.K. Office
RO-CLEAN DESMI LTD.
Unit 24, Shamrock Quay
William Street
Southampton, SO14 5QL
Tel. +44 23 80829751
Fax. +44 23 80339190
E-mail: uk.ro-clean@desmi.com

Latin America Office
RO-CLEAN DESMI LATINOAMERICA S.A.
Calle Amagasi del Inca E14-68 y 2°
Transversal
Edificio RO-CLEAN DESMI - PB
Quito-Ecuador
Tel.: +593 2 326 1939
Fax: +593 2 326 4844
E-mail: Latinoamerica.ro-clean@desmi.com

Asia Office
RO-CLEAN DESMI ASIA
50/F Menara BCA
Jl. MH. Thamrin No. 1
Jakarta 13010 Indonesia
Tel: +62 21 2358 4468
Fax: +62 21 2358 4401
E-mail: asia.ro-clean@desmi.com