

# SLICKBAR™

*The World Leaders in Oil Spill Control Technology ... Since 1960*



## **SLICKDISC MK-13 SKIMMER**

### **GENERAL DESCRIPTION**

SLICKBAR™ SLICKDISC MK-13 skimmer is a newly added SLICKBAR™ skimmer product range which has developed through research and development of its predecessor, The SLICKDISC MK-10 skimmer. SLICKDISC MK-13 skimmer head is lighter, smaller in dimension, and has more capacity. It is suitable for recovering oil on ports, harbors, rivers, and coastal water areas. It is easy to deploy and requires only one operator. For handling a wide range of oil type, the skimmer head can easily be changed from disc to brush without any tool. SLICKDISC MK-13 skimmer has a capacity of 13 tons / hour with a very low water pick up rate, less than 2 %. The skimmer head weighs 28 kgs only, thus it can be carried by one person only. Overall, SLICKBAR™ SLICKDISC MK-13 skimmer is considered as the lightest skimmer in its class.



## CAPABILITY

SLICKDISC MK-13 skimmer can recover up to 13 tons/hour with a very low water pick up rate, less than 2 % which depending on the oil type, viscosity, oil thickness, and temperature. SLICKDISC MK-13 scrapers are specially designed with a module system arrangement to make installation and dismantling easier. Scrapers are made of special oil resistant material, which can be used in any oil type.

## PROTECTION SYSTEM

Power Pack has an automatic shutdown valve and a spark arrestor muffler fitted for added security features.

## OPERATION

SLICKDISC MK-13 skimmer consists of skimmer head, diesel hydraulic Power Pack with fixed transfer pump (MK-1 Model), suction and discharge hoses, hydraulic hoses, hose float and all necessary ancillary equipment. SLICKDISC MK-13 skimmer head has 20 oleophilic discs rotating on horizontal banks by two hydraulic motors. For handling a wide range of oil type, 20 oleophilic discs can be easily changed with 4 modules of brush. Oil will stick on the rotating oleophilic disc/brush, be removed by scrapers, fall into an oil collecting bowl, and pumped to a recovery tank.

## RECOMMENDED APPLICATION

SLICKDISC MK-13 is designed to recover floating oil from ports, harbors, rivers, estuaries, and coastal waters. It's light weight and mobile features enable SLICKDISC MK-13 to be deployed easily and where there are only a few people available in the area. SLICKDISC MK-13 is also suitable for emergency deployment.

## WARRANTY

Every Skimmer is subjected to stringent test procedures prior to shipment and delivery, therefore we give you a 12-month warranty on materials and workmanship. All SLICKBAR's products are produced and manufactured in accordance with International Quality Assurance System ISO 9001.

## CONSTRUCTION

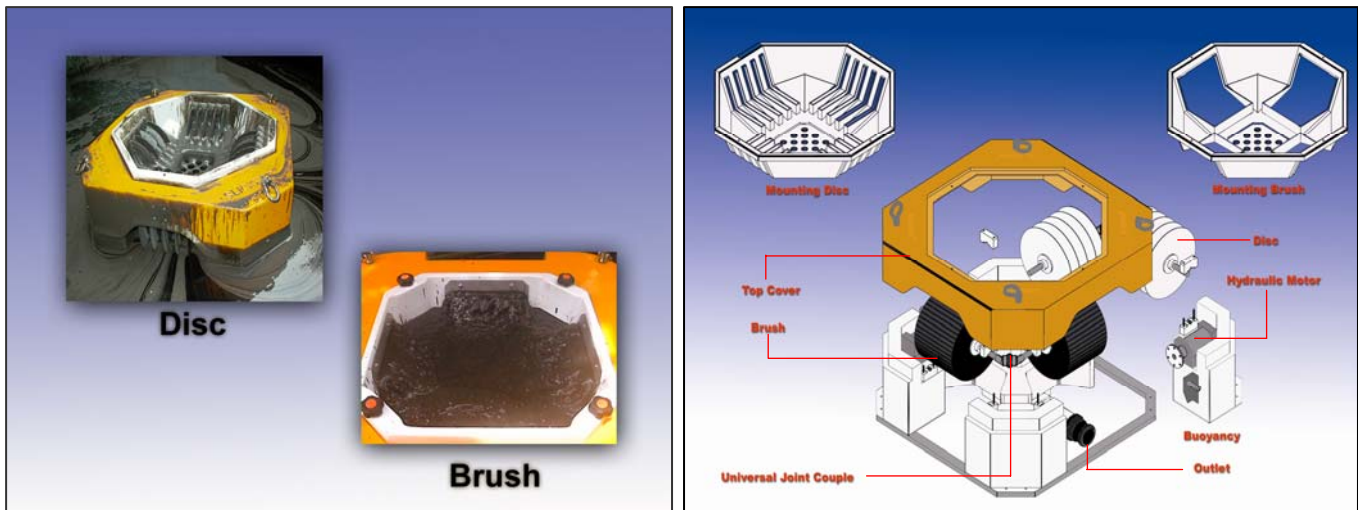
SLICKDISC MK-13 skimmer head made of glass reinforced fiber which is corrosion free and is highly durable. Moreover, it can resist a load of more than 100 kgs. Four lifting points are attached to the skimmer head, to assist on lifting of the equipment. Power Pack frame material is stainless steel to ensure strength, durability and corrosion resistant.

## VERSATILITY

The Skimmer Power Pack can be independently utilized as a hydraulic power source and powerful transfer pump. It is mounted on a wheeled frame to make transportation easier. Options include hand crank (MK-1), electric start (MK-2) or air starter (MK-3).



## SLICKDISC MK-13 SKIMMER HEAD

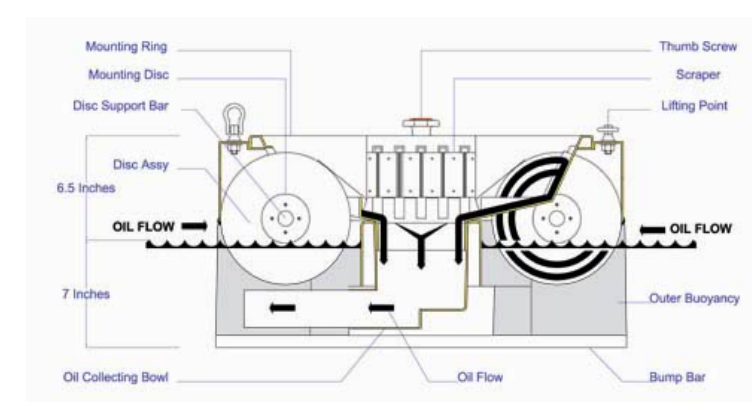


Layout of Detachable MK-13

### APPLICATION

The SLICKDISC MK-13 is a lightweight, portable disc or brush skimmer designed to recover floating oil from ports, harbors, rivers and coastal waters. It is easy to deploy and requires only one operator. The SLICKDISC MK-13 is the lightest skimmer in its class and has the ability to recover oil at the rate up to 13 tons / hour with a very low water pick up rate, less than 2 %. SLICKDISC MK-13 skimmer is of modular design, light-weight, and robust with minimal moving parts. SLICKDISC MK-13 can handle wide range of oil type as the brush and disc are interchangeable.

### TECHNICAL DATA OF HEAD SKIMMER

<b>Dimension</b>			
Length	27 inches / 69 cm		
Width	27 inches / 69 cm		
Height	13.5 inches / 34 cm		
Weight (max)	28 kgs / 62 lbs		
Disc / Brush Diameter	8.5 inches / 22 cm		
Operating Draft	7 inches / 18 cm		
<b>Construction</b>			
Body	G.R.P		
Fittings	Rigid PVC		
Buoyancy	Built-In Closed cell foam		
Discs / Brush	P.M.M.A / Nylon		
Scrapers	P.T.F.E		
<b>Disc / Brush</b>		<b>Hose Kit</b>	
No. of Discs	20 in 4 Banks of 5 discs	Discharge	10 m ( 33 feet ) length ~ 51 mm ( 2 inches ) dia layflat hose with quick release coupling to transfer pump
No. of Brush	4 in 4 Banks	Suction	10 m ( 33 feet ) length ~ 51mm ( 2 inches ) dia flexible suction hose with quick release coupling to skimmer and transfer pump
Disc Speed	Variable 0-166 RPM max. controller by the power pack		
Drive Motor	2 x Eccentric Lobe motors	Hydraulic	2 x 15 m ( 50 feet ) with quick release coupling dia 9.5 mm ( 3/8 inch )
<b>Standard Accessories</b>			
<ul style="list-style-type: none"> <li>• 1 x Lifting sling</li> <li>• 1 x Hose kit</li> <li>• Tool Kit</li> <li>• Cover</li> </ul>			

# SLICKBAR POWER PACK



All instruments are on a panel.

## APPLICATION

The SLICKBAR™ Power Pack is used to supply hydraulic power to SLICKDISC skimmer or other SLICKBAR equipment. SLICKBAR™ Power Pack is equipped with wheels, it has an instrument panel and standard version is diesel with a hand starter, (electrical and air starter are also available as option for hazardous environment).



This control panel will show the required hydraulic pressure.



This control panel has the function to control disc rotation speed on head skimmer



This control panel has the function to control hydraulic pressure required.



This control panel has the function to fill- up hydraulic oil to hydraulic tank.

## TECHNICAL DATA OF POWER PACK

Dimension		Engine	
Length	38 inches / 96.5 cm	Single cylinder, air cooled. Hand start ( MK-1)	
Width	38 inches / 96.5 cm	Continuous rating	9 HP ( 6.7 KW ) 1800 rpm
Height	29 inches / 74 cm	Running speed	Factory set at 1800 rpm
Net Weight	±190 Kgs (empty) / 420 lbs	Safety devices	Spark Arrestor & Automatic Shutdown valve
		Optional	Electric Starter ( MK- 2 ) Incl. 12V battery charged via 12V 1 Amp alternator on engine or Air Starter ( MK-3 )
Construction		Hydraulic Pump	
Frame	Stainless steel with detachable wheels	Single gear pump driven by pulley and belt system.	
Hydraulic oil tank	Steel sheet with mild steel lid	Transfer Pump ( Spate 75C )	
Diesel fuel tank	Mild steel	Type	Self priming induced flow pump
Paint finish	Shot blasted steel work with 2 coats epoxy primer and 2 coats top coat yellow	Drive	Driven via pulley and belt system through 1: 1.3
		Max. delivery	30 m <sup>3</sup> / hour
Hose Kit		Suction/discharge	51mm ( 2 inches ) Camlocks
Discharge	10 m ( 33 feet ) length ~ 51mm ( 2 inches ) dia. Layflat hose with quick release coupling to transfer pump		
Suction	10 m ( 33 feet ) length ~ 51mm ( 2 inches ) dia. flexible suction hose with quick release coupling to skimmer and transfer pump.		
Hydraulic	2 x 15 m ( 50 feet ) with quick release coupling ø 3/8 inch		

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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### PATENTS

SLICKBAR oil booms and accessories are protected under one or more of the following patent numbers : Indonesia 231551, ID 0 005 932, ID 0 005 933; U.S.A. 3,146,698, 3,321,92 RE 27,452 ( Reissue of 3,499,290 ), 3,556,301, 3,564,852, 3,679, 058, 848, 417; United Kingdom 993, 227, 1,226,040; Canada 862,401, 909, 353; France 1,403,411,69,21131;Italy 732,313,866, 809 ; Japan 588, 400; Belgium 735,074; Germany S.N.P. 1929751; Holland S.N. 69, 08133; Australia 435, 835, Other U.S. and foreign patents pending.



Certificate No. : 403890

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DIVISION OF OIL POLLUTION EQUIPMENT

