



SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE • UK • INDIA • AZERBAIJAN



SYNERGY HYDRAULIC UNDERWATER BRUSH KART – SY-ULTRACLEAN-3BR

They Synergy designed Ultraclean range of underwater hull cleaning units is a robust, built to last unit, tackling the most difficult cleaning conditions encountered on various types of ships.

The force of downward pressure exerted by the brushes are adjusted during operation at all times, and the self adjusting heads easily handle the contours of the ships.

Extremely powerful four wheel drive system helps the operator smooth control over the toughest fouling

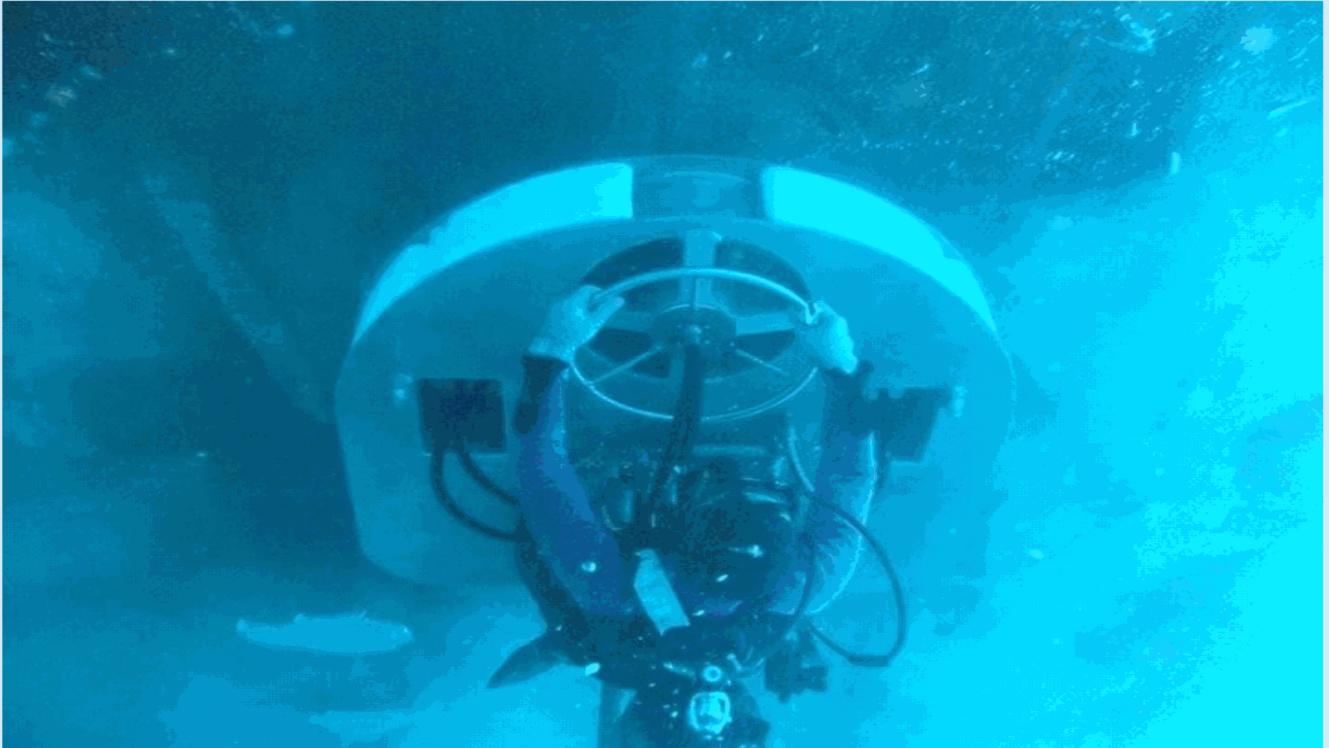
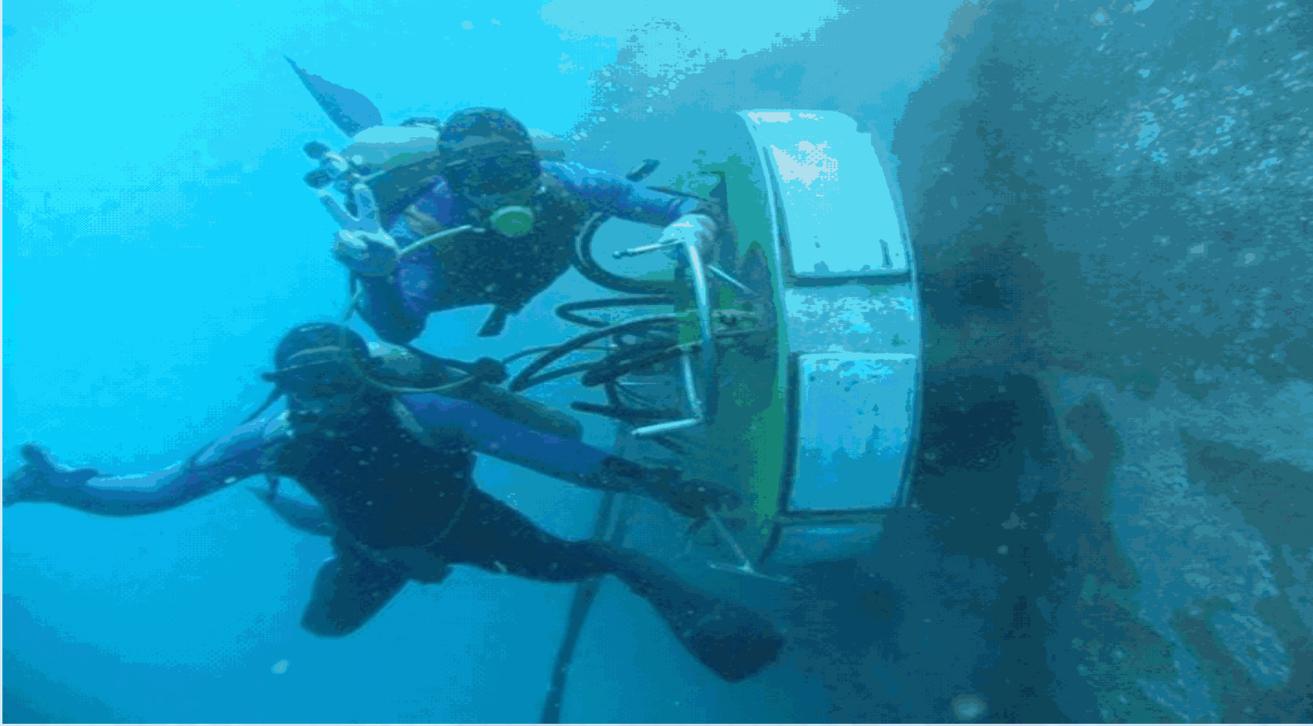
All types of fouling can be tackled with the appropriate pressure/tools to prevent damage to underlying paint layers.

The unit is designed for large hull ships or any other reasonably flat underwater surfaces/structures

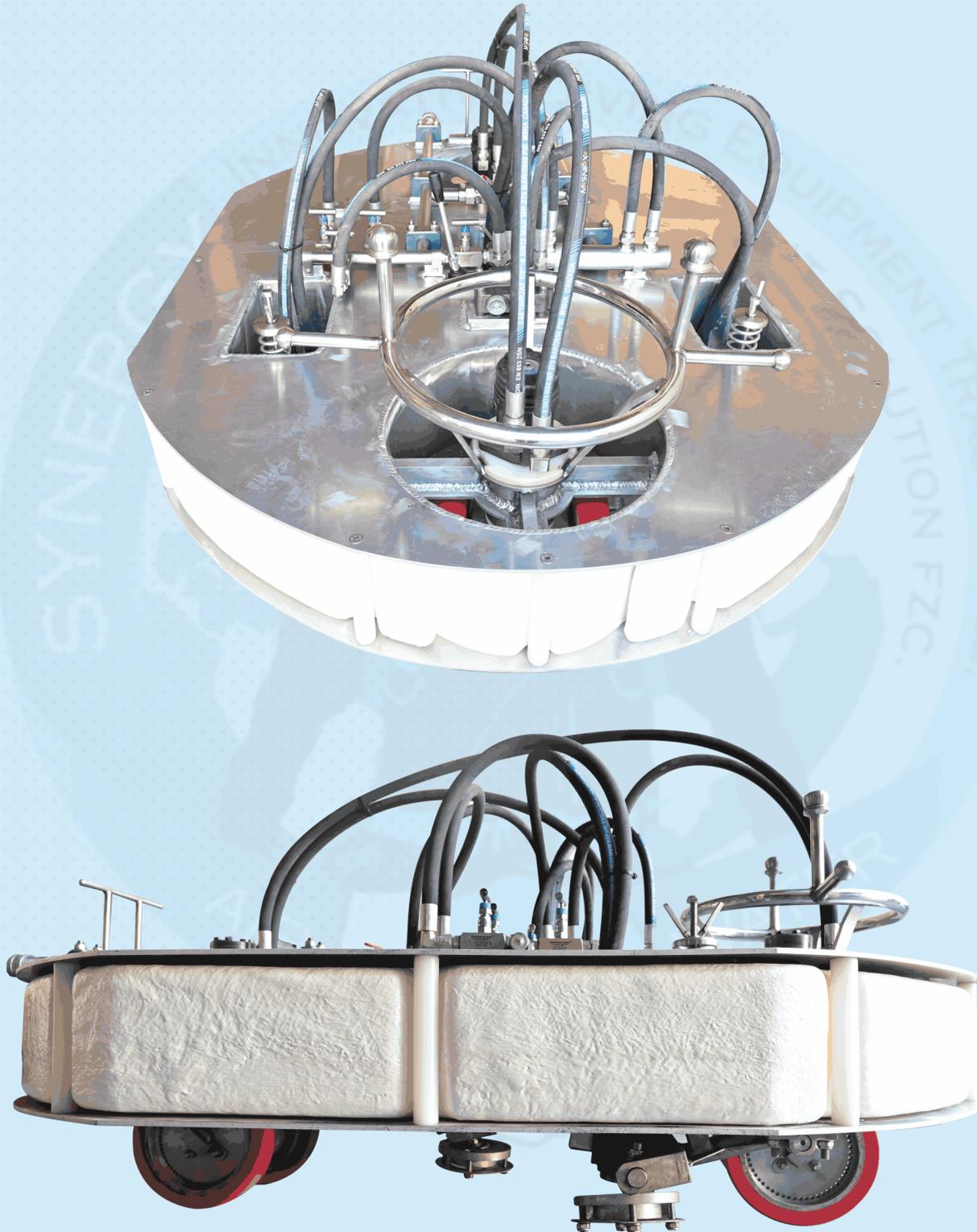
SR	DESCRIPTION
1	DEPTH RATING : 75 MTRS
2	CLEANING RATE : 1600 M3/HOUR
3	HYDRAULIC REQUIREMENT : 80 LTRS /MIN @ 140 BAR
4	WEIGHT IN AIR : 124 KGS
5	WEIGHT IN WATER : 12 KG BUOYANT
6	DIMENSIONS : 1220MM L X 1020MM W X 450MM H



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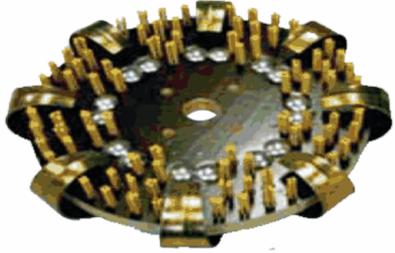
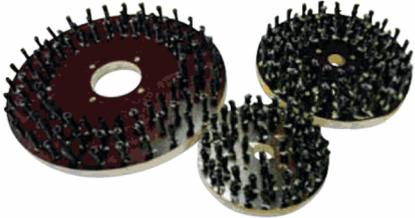
SYNERGY HYDRAULIC UNDERWATER BRUSH KART - SY-ULTRACLEAN-3BR



ORDERING INFORMATION

Sr.	Part Number	Description
1	SY-ULTRACLEAN-3BR	SYNERGY 3 BRUSH HYDRAULIC UNDERWATER CLEANING UNIT

BRUSH SELECTION CHART

Sr.	PART NUMBER	DESCRIPTION	
1	SY-902	RILSAN SCRAPER COMBINATON DISC Rilsan scraper Barnacles	
2	SY-903	STEEL SCRAPER COMBINATION DISC Steel sraper Very severe dense fouling	
3	SY-907	STEEL WIRE BRUSH (0.6 TUFTS)	
4	SY-902	SOFT STEEL WIRE BRUSH Steel grass Thick, dense grass	
5	SY-909	RILSAN BRUSH Rilshan Grass slime, barnacles	
6	SY-910	POLYPROP BRUSH Polyprop Grass, slime (very fragile surfaces)	

HYDRAULIC TWIN UMBLICALS SY-HYDUMBL-BR



Synergy 50 and 100 mtr long hydraulic umbilicals are mated to the power pack **SY-HPU-E-BR**

Thermoplastic construction, neutral buoyancy, flexible, ideal for underwater use by divers, with all end connections to mate with cleaning unit uw and power pack on the surface.

SR	DESCRIPTION
1	Overall Length 100 mtrs
2	Nominal weight in air when empty : 186 kg
3	Nominal weight in air when full : 260 kg
4	Nominal weight in sea water : 5 kg
5	Maximum working pressure : 170 bar (2500 psi)

ORDERING INFORMATION

Sr.	Part Number	Description
1	SY-HYDUMBL-BR-50	HYDRAULIC TWIN UMBLICALS, 50 mtr
2	SY-HYDUMBL-BR-100	HYDRAULIC TWIN UMBLICALS, 100 mtr

HYDRAULIC POWER PACK FOR ABOVE BURSH KART SY-HPU-E-BR





HYDRAULIC POWER PACK FOR ABOVE BURSH KART SY-HPU-E-BR

Specifications	
Construction	Steel
Maximum Flow	325 lpm @ 1800 rpm
Operating Pressure	140 bar pump 1 & 2/ 200 bar pump 3
Pump configuration	Triple pump (80+80+25 cc/rev approx)
Oil Reservoir Capacity	500 ltr
Engine	Volvo Eicher
Engine power	156 hp@1500 rpm
Engine control panel	Electronic (DSEE100)
Fuel tank	500 ltr
Inbuilt crane	Jib crane 300 kg lift (25 mtr wire) for deploying & retrieving brush kart
Protection	2220x1650x2000 dry weight appro 1500 kg
Dimensions of frame	
Lifting provisions	
Pad Eye	4 x dnv type ringed pad eyes
Ground Transport	Fork lift pockets
Name Plate information	Make, Model number, pressure rating , flow, serial number
Tubing/Fittings	Stainless steel

Certifications	With each Hydraulic power pack
International	IMCA D0 23
Manufacturer	Synergy Viking certification
Electrical /Function Test	Provided
Class	Bureau Veritas Lifting test certificates (including MPI)

ORDERING INFORMATION

Sr.	Part Number	Description
1	SY-HPU-E-BR	HYDRAULIC POWER PACK FOR ABOVE BURSH KART

SYNERGY INFRASTRUCTURE





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Contact us



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