



OWA
Group

OCEAN WORKS ASIA

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SRP-5

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Scuba Replacement Package

The Mobile or portable surface supplied diving system which aims to provide the flexibility of SCUBA without the safety limitations. The system may be moved to different locations on an installation or mounted on a small boat operating from a support vessel.

As self-contained underwater breathing apparatus (SCUBA) has inherent limitations and is not a suitable technique for commercial diving, OWA has designed a robust 2-diver Scuba Replacement Package (SRP) that houses the dive panel, cylinders and umbilicals in one transportable package.

The frame is engineered with four lifting eyes situated on each corner with dedicated, certified lifting strops and forklift pockets situated under the frame. The SRP is fitted with 6 x 47 liter, 200 bar HP air storage cylinders mounted vertically in the frame. 2 x 100m umbilicals are stored on the frame. A portable diver communications box is mounted to the top of the cylinder storage unit. Hardline tubing connect the cylinders to the dive panel.

To provide the highest level of customer confidence worldwide we can deploy equipment and divers that not only meet the standards of the International Marine Contractors Association (IMCA), the International Association of Oil & Gas Producers (IOGP), but that also meet recognized industry standards.



In meeting these standards, diving teams of a minimum of 5 (Diving Supervisor, working diver, stand-by diver, tender for working diver, tender for stand-by diver) are utilized to safely execute the client requirements.



Providing Cost Effective Solutions

SRP Specifications

Manufacturer	Ocean Works Asia
Year Built	Aug 2019
Certification Standard	IMCA D018 / D040
Length	1.0m
Width	1.4m
Height	2.1m
Weight in air	1,000kg
Lifting Pad Eye (SWL)	1,200kg

Dive Control

Dive Control	Main Diver and Standby Diver (Independent Lines)
2 x 4.5" Pneumo Depth Gauge	0-77 MSW - 0.25 Divisions 0-250 FSW, 1 FSW Divisions - 0.25% accuracy
2 x Oxygen Analyzers	Envitec MySign Oxygen Analyzer c/w Sensor

Air Bank

Main Diver	Primary Source 3 Cylinders x 47 liters @ 200 bar Secondary Source 1 Cylinder x 47 liters @ 200 bar
Standby Diver	Primary Source 1 Cylinder x 47 liters @ 200 bar Secondary Source 1 Cylinder x 47 liters @ 200 bar



Diver Umbilicals

Main Diver	1 x 100m Hose c/w Comms Cable and TV and Light Cable
Standby Diver	1 x 105m Hose c/w Comms Cable and TV and Light Cable

Divers' Helmet / Mask

Main Diver	Kirby Morgan 18B Band Mask w/ Neoprene Hood and Spider Kirby Morgan Hard Shell Impact Protector
Standby Diver	Kirby Morgan 18B Band Mask w/ Neoprene Hood and Spider Kirby Morgan Hard Shell Impact Protector

Divers' Personal Equipment

Main Diver	1 x 11 ltr Bailout Cylinder @ 200 bar 1 Bailout Regulator w/ HP Hose and Contents Gauge 1 Diver Safety Harness
Standby Diver	1 x 11 ltr Bailout Cylinder @ 200 bar 1 Bailout Regulator w/ HP Hose and Contents Gauge 1 Diver Safety Harness

Divers' / Tender Communications

OWA's SRP systems are equipped with the AMCOM™ II 2825A-01 Two-Diver Deluxe Portable Communicator featuring separate channels and volume controls for each diver and the tender so that uplink and downlink paths can be customized for varying equipment configurations and individual comfort levels. The newest version of this AMCOM™ II has several new digital enhancements: (1) High-Audio Fidelity; (2) Extended Battery Operation; (3) Flexible Gain Settings and (4) Ultra-Low Electromagnetic Interference (EMI). All audio communications are stored digitally and kept per IMCA requirements for a min. of 48 hours. System is stored within the SRP's storage area.

Diver Mounted Video System

OWA's complete portable underwater video camera systems feature a diver mounted Sony color, fixed focus camera and DC12V LED Light. The system also includes a 10 inch color LCD monitor, SD Digital Video Recorder and integrated power supply housed within a weather-resistant suitcase console.

Power Requirements

220 VAC Single Phase @ 50/60 Hz

Generator 3kVA

Diesel Engine HP Compressor

Model	Nuvair Mini Tech MCH16
Fill Time	Approx. 9 minutes
Charging rate	11.3 SCFM (320 ltr/min)
CFM FAD	9.4 CFM (266 ltr/min)
Max. Operating	9.3 hp (6.8 kW)
RPM	1450
Sound Level @ 3 m	96 dB
Max. Operating Pressure	5000 psi (345 bar)

No. of Stages	3
No. of Fill Hoses	2
Condensate Drain	Manual
Dimensions (L x W x H)	116 x 57 x 65 cm
Weight	145-191 kg
Lubrication	Splash Lub, capacity 1.8 ltr
Air Quality	DIN 3188-CGA Grade E NFPA 1500 - EN12021