



Description

MARDIVE'S mobile surface supply diving system is installed into a modified two axle van body car trailer designed for road accessed inland and near shore underwater construction areas, piers and docks.

Equipped with an array of different equipment including an integrated air supply storage quad consisting of 4 x 20 liters 300 bar cylinders secured under the bench, with one common charging point and two outlets with isolation valve as an option between the two sections of the cylinders.

The two outlets linking with flexible hoses the air quad with each section HP regulators of the two divers inshore air control panel which is placed on top of the bench. The panel has two independent HP inlets, one for each diver as primary air supply and a common LP as a secondary air supply with a crossover valve between the two divers' sections.

Each air supply line is monitored via 63mm pressure gauges and divers are monitored by 150mm diameter depth gauges with a range of 0-70 MSW (0-230 FSW) in 0.5 MSW increments.

The panel has all the source arranged to be separate protected from any malfunctions and is designed to comply with the requirements set by respected helmet manufacturers.

All pressure gauges are dry, cleaned and certified for use with breathing quality air.

On the bench next to the air control panel there is a C-Tecnic's vision diver communications and video monitoring system connected with two 125 meters diving umbilical's with two KMB 28 Band masks each mounted with cameras and lights, stored coiled on hangers along the sides of the trailer body.

As road transportable diving system, is a fully fitted diving asset with all needed equipment to monitor and control diving operations meeting the international standards for Inland and Inshore commercial diving operations.



Surface Supply Air Diving System Features

Capacity: 2 Divers

Diving Gas: Air

Max Depth: 30 metres (Can be upgraded to 50 m with larger external gas storage quad)

Equipment:	Quantity
Primary Gas Source	
1 x Integrate Gas Storage Quad consists of 4 cylinders mounted inside a protective stainless steel crash frame.	1
2 x independent sections of 2 x 20 liters 300 bar cylinders for each diver, arranged to be separate protected from any malfunctions with one common charging point.	
Secondary Gas Source	
1 X Common Secondary Gas Source 18 liters 220 Bar cylinders with pressure reducer.	1
HP Compressor Bauer Mariner II (12 m ³ /h) 220/330 Bar with Diesel Kubota 10Hp	1
Air control panel (1x working diver, 1x stand-by diver) up to 30 msw	1
125m Umbilical for Standby Diver (air, pneumo, comms, light, camera)	1
Communication unit & CCTV Recording Unit C-Technics C-Vision	1
Kirby Morgan 28 Band Masks (comms, light, camera)	2
Diver Recovery Harness	2
BUDDY Stab Jacket	2
10 lt Bail Out Cylinders (Aqualung first stage)	2
Divers Recovery System	1
First Aid Kit	1
O ₂ System with pressure reducer and 20Liters O ₂ Cylinder & Stretcher	1
Diving Spears Toolbox	1
Mechanical Toolbox	1
Fire Extinguisher 6kg	2

Dimensions & Weight of two axle van body car trailer

Dimensions & Weight	Metric
Height (external)	2.30 m
Width (external)	1.51 m + 60cm tires
Length (external)	3.05 m
Length of A-Frame Trailer Coupler	1.35 m
Weight Fully Loaded (Dive Spread)	700 kg (Approx.)



MARDIVE P.C.

Register Office Address: Panostrati
720 53 Elounda, Crete, Greece

☎ +30 28410 22770
☎ +30 6944 126846
✉ info@mardive.gr
🌐 mardive.gr