



Description

The Dive Control is built in a 10 ft shipping container outfitted with a large bench to house the air control, CCTV and comms. Entry is via the container main double door.

The dive control section is outfitted with an incoming Air Supply piped to the 2 Diver Air Panel from 6 x 50 liters quad that is located under the dive control bench.

A 220 Volt electrical supply via a mounted bulkhead plug suitably rated for service. The container is illuminated with overhead fluorescent lights with USB charging points located at strategic points, cabling is fastened to stainless steel cable trays. The electrical fit out complies with all current standards.

The container is equipped with 2 off Stainless-Steel umbilical hangers for safe storage of the umbilical's and hoses, each hanger houses 125 meters of 4 core umbilical's (air, pneumo, comms, camera, light) the hangers are fitted to the container double doors.

The panel is designed for 2 divers, one section is designated for the working diver and the second diver section of the panel is the designated Standby Diver.

There is also a crossover valve in order to allow gas to pass from Diver 1 to Diver 2 if required and vice versa.

The depth gauges are 0-70 meters (230 feet). The panel is fitted with HP/LP reducing regulators for the control of the HP air. The panel is built with stainless-steel fittings into a stainless-steel frame in a pelican case for wall mounting inside a dive control space or (for alternative use in mobile diving spread).

The panel is supplied fully certified, calibrated and complete with supporting documentation.

Diver's Panel Connections are as follows:

Inlets: HP ¼" NPT Male x 1, LP ⅜" NPT Male x 1 (per Diver) Outlets: Divers Supply ⅜" NPT Male, Divers Pneumo ¼" NPT Male (per Diver)

The panel is designed and manufactured in accordance to IMCA D023, HSE Guidelines, BSI Quality Standards and CE approvals. Testing and certification in accordance with IMCA D018.

A 2 diver CCTV system is located next to the air control panel, with recording and viewing facilities via a dedicated 21" rack mounted monitors.

The CCTV Systems incorporates with the OTS comms unit, 2 x camera & lamp supply unit and HDD recorder. The OTS comms unit using modern electronics to give sound quality. The comms allows to switch communication from diver to diver or all divers at once. It incorporates its own rechargeable battery for back-up in the event of mains power failure.

The x 2 camera and lamp supply are capable of supplying power to 2 sets of cameras and lamps as standard. The unit is complete with a hard disk drive for recording diver's video and comms and includes video editing software. The HDD units also have room for additional USB interfaces for transferring video and comms files.

Standard Equipment

System Includes:	Quantity
50Lt at 200 bar Air storage Cylinders (4 for work diver/2 for St by divers)	1
HP Compressor Bauer Mariner 320 (18 m3/h) 220/330 Bar (Diesel with Lombardini 24Hp)	1
IMCA Complained Air Control Panel for two divers	1
125m twisted 4 core umbilical's (air, pneumo, comms, light, camera)	3
Communication unit (OTS)	1
Full Color Video Recording Unit (Outland) with the capability to records	1
TV Monitor (One for each diver)	2
Kirby Morgan 77 Diving Helmet (comms, camera, light)	1
Kirby Morgan 28 Band Masks (comms, camera, light)	2
SMP Recovery Harness	2
BUDDY Stab Jacket	2
10 It Bail Out Cylinders	4
Divers Recovery System	1
First Aid Kit DEMAC 015	1
O ₂ System with pressure reducer and 20Liters O ₂ Cylinder	1
Stretcher	1
Diving Spears Tool Box	1
Mechanical Tool Box	1
Electrical Tool Box	1
Fire Extinguisher 6kg	2
Fire Extinguisher CO ₂	1



Dimensions for 10-foot (3 meter) shipping container:

Dimension	Feet - Inches - LB	Metric
Height (external)	9' 6"	2.9 metres
Width (external)	8'	2.4 metres
Length (external)	10'	3 metres
Size (capacity)	635 cubic feet	18 cubic metres
Weight Dry	2755LB	1250 KG
Weight Fully Loaded (Dive Spread)	6612 LB (Approx.)	3000 KG (Approx.)



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