

## 1. Scuba Replacement Unit



Stainless Steel frame complete with umbilical hooks (2 × 100 m umbilical can be wrapped on these hooks)

4 x 200 bar x 50 L cylinders filled with breathing air

The four cylinders are hard plumbed together with stainless steel tubing and brass fittings. All are high pressure rated.

1 x two diver air control panel, IMCA standard, with 2 × HP and 1 × LP per Diver. A two diver Amron 2820A/24 radio, complete with AC/DC and rechargeable battery, is inbuilt into the control panel. All the fittings of the panel are from the side of panel, which is built into a black waterproof, indestructible pelican box. This enables the diving supervisor to close the diving panel after completion of job, to keep it safe, free of dust and prevent water ingress during rough seas while on the boat. The second advantage is that it prevents kinking of the diving umbilical when fitted out, as there is no bend on the umbilical hoses when deployed.

An emergency low pressure regulated panel is provided in addition to the above. In case of a panel failure or non-operation for any reason, the emergency panel can be used to bring the diver to surface safely even if the regulators on the panel are not working. This is an additional bonus safety feature incorporated into our scuba replacement system.

All connecting hoses from the cylinders to the panel are provided with the system. The system is configured that diver one incoming air supply from cylinders and downstream to the divers are provided on the left side of the panel, and for diver 2 it is provided on the right side of the panel.

Charging point for the cylinders is also provided in the system.

Complete underwater portable CCTV system consisting of surface supply unit with 15.6" monitor, DVR recorder unit with 8 GB SD card, video and light controls, and 100 m of underwater high definition video cable with end fittings to suit Surface supply unit on one side and video/light Y splice connection on other side, supplied with fixed focus colour underwater camera unit and Led light unit (50000 hours), all built into one waterproof pelican type case, WILL RUN ON 12 V DC, so you can connect from even a car battery and start working. Make Outland Technology, USA (this will be installed on the diving panel)

Diving Umbilical, floating type, twisted core, consisting of air / pneumo / comms / video and light, with all end fittings and test certificate (Length of 100 m per umbilical).

Enclosed battery pack with all connections, suitable for running both the video system and diving radio, to make the system truly portable without the requirement for a generator to power the unit.

Diving Band mask, 28B with male connections and fittings to suit umbilical(s).

