



Unique Group



## 2 Diver portable Panel With 2 Diver CCTV System

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Leading integrated solutions provider across the global



## ***UNIQUE SYSTEMS WARRANTY INFORMATION***

Unique Systems FZE warrants that its manufactured products shall be free from defects in materials and workmanship to the Purchaser for a period of 180 days from the date of initial purchase or one year from the date of delivery, whichever comes first. This warranty is not transferable to subsequent purchasers or users of the equipment.

During the period of Warranty, Unique shall at its discretion, repair or replace, free of charge any product or part that is found by Unique, after reasonable notification by the initial purchaser to be defective in workmanship or material. The claimant shall pay all shipping costs and is responsible for the loss or damage of such items during transit.

Unique shall not warrant any defects arising from the modification or unauthorized repair of its products. Unique shall not be liable for any consequential, special, incidental or indirect damages, including without limitation, lost profits due directly or in part to the failure or late delivery of its parts.

## ***OTHER MANUFACTURERS WARRANTY INFORMATION***

Please refer to Other Equipment Manufacturers (OEM) documentation for advice on Warranty and Warranty Procedures

Unique Systems is a member of the International Marine Contractors Association

Unique Systems strongly recommends that this equipment is inspected, tested, calibrated, operated and maintained in accordance with IMCA approved codes of practice. Failure to do so may invalidate the warranty.

## **CHANGE OF SPECIFICATION**

In keeping with our policy of continual improvement Unique Systems reserves the right to change the specification of its diving equipment at any time and without notice.

## ***WAIVER OF RESPONSIBILITY***

Whilst every measure is taken to ensure that the contents of this manual are correct, Unique Systems cannot be held responsible for any loss that may result from the use of this information.



## Section 1: SPECIFICATION

The 2 Diver Portable panel is designed and Manufactured by following the stringent Code requirements, IMCA Guidelines and quality standards. This is designed for two Divers for Scuba replacement/ portable Diving as per IMCA D040.

- Dedicated control panels for 2 divers
- Designed for Breathing air with one HP supply port and one LP Supply port for each divers
- Built to include inside a waterproof polypropylene casing.
- Stainless steel panel with flush mount type construction.

Dimension	802mm(Length) x 520mm(Width) x 316mm(Depth)
Weight	50 Kg
Depth gauge	70 MSW
Diver Supply Pressure	17 BAR

### 1.1. HIGH PRESSURE AIR SUPPLIES

Individual HP ports to connect the 200 BAR HP source is provided on the panel for each diver. The HP supply will be regulated on the panel and then will be supplied to diver as 17 BAR supply. The panel & regulator is designed to provide suitable flow and pressure to diver underwater.

- One independent dedicated HP air ports and piping for each divers
  - 2.5" High Pressure Supply Indicating pressure gauges. (Range-5000 PSI)
  - 2.5" Regulated Pressure Indicating pressure gauges (Range-600 PSI)
  - Tescom 26-1500 series or Pressure Tech MF101 Series High Pressure Regulator provided with Pressure Relief Valve set to Swagelok HP filter
  - Check valves installed on the regulated supply piping adjacent to manifold
- Ports are fitted with ¼" JIC Male fittings

### 1.2. LOW PRESSURE AIR SUPPLIES

Individual LP ports to connect the 17 BAR LP source is provided on the panel for each diver. The LP Source is directly connected to diver supply manifold through a control valve. Individual gauges are provided in each area to identify the pressure available on the source.

- Individual LP air supply port for each diver manifolds
- 2.5" Low Pressure Indicating pressure gauges (Range - 600 PSI)
- Quarter turn control valves.
- Ports are fitted with 3/8" JIC Male fitting





## 1.3. 3 DIVER SUPPLY PORTS

Diver Supply ports & Diver Pneumo ports are provided on the panel to connect the umbilical.

- Independent control for LP and HP air selection to diver for two dive stations
- 2.5" Diver Supply Pressure-600 PSI range – Life Support pressure gauge.
- Quarter turn control valves to Diver Umbilical Air Supply.
- Needle Valve controls for Diver Depth and Analysis
- Diver Supply connection port is 3/8" JIC male fittings.

## 1.4. DIVER DEPTH

Diver depth gauges I provided at the top panel surface mounted and the ports are provided at the bottom panel. Depth gauge is provided with a needle valve to flush the line and Pressure limiting valve to prevent it being over pressurized.

- 6" dial Depth Gauge With 70MSW Range is provided on the panel.
- Pressure limiting valve is fitted in line in order to avoid over pressurization of Depth gauge
- Needle valve is provided for flushing control from Diver Manifold
- Pneumo port is provided with 1/4" JIC Male fitting.

## 1.5. COMMUNICATIONS

The panel is also fitted with 2 Diver communication equipment which is also provided with 110V / 220 V power plugs to charge the battery and internal battery to power the unit without external power source.



## 1.6. 2 DIVER CCTV SYSTEM

The CCTV System consists of an LCD monitor display unit, 2 X Diver Surface control unit & 1 x Digital video recording unit. The umbilical CCTV element can be connected to the plugs on the panel. SCU circuit is provided with switches to control the lights and signal supplies,