

MV-DCP2AS

Diver Air Control System Panel

The Marine Vision **MV-DCP2AS** 2-Diver Air Control System was designed and tested prior to the final production of the model we sell. From the production of the first prototype, it was clear that it had to be equipped with all the necessary safety measures and quality components to achieve maximum quality in the air supply from the surface. To achieve this, we used the highest-quality components and instrumentation on the market, combined with a unique distribution system design that, in addition to making it extremely easy to interpret and read, provides a high level of control and safety in air operations. All its components are sized and optimized for the maximum flow rates and working pressures supported by this control panel. Ultimately, there are no bottlenecks in its design that would prevent the optimal flow rate from flowing normally and unobstructed through its circuit.

Its exterior design is versatile, designed to work both horizontally, in operations requiring a completely transportable and portable panel (small boats, dockside, etc.), or vertically, ideal for temporary or permanent installation in a container or operations locker. Its top locking system and side protection offer many advantages for both transport and storage.

The **MV-DCP2AS** incorporates three robust pressure reducers: one for each diver and a separate one for its innovative "Emergency Supply Line," which is another of the panel's unique features. In the event of any incident on any of the lines, activating the "red valve" on the emergency line supplies the necessary flow to both, isolating the rest of the circuit from this channel.

The panel only supports HP input and can be supplied for both 225 bar and 330 bar. Its design allows each supply source to be independent and hot-swapped while divers are supplied by another in service.



Its extensive number of pressure gauges allows the supervisor to have comprehensive control of the pressure being delivered, even before opening the corresponding valve. Unlike other panels on the market, we always know what we are going to deliver to the diver before opening any valve.

The **MV-DCP2AS** has been designed and manufactured following **IMCA** guidelines in its D018 and D040 revisions and has the corresponding **CE Certificates**, endorsed by inspection bodies. This panel is only suitable for use with air. Enriched air (Nitrox) or pure oxygen **SHOULD NOT** be used with this model.

SPECIFICATIONS

- **External Dimensions**

Length = 850 mm (33.46 in)

Width = 600 mm (23.62 in)

Height = 350 mm (13.78 in)

- **Weight**

41.5 kilos (91.5 lbs)

- **Maximum Depth**

50 meters saltwater (162 fsw - feet of saltwater)

- **Maximum HP Supply**

330 bar (4785 psi) using DIN.

- **Maximum LP Supply**

18 bar (260 psi)

- **Relief Valve**

Set at 27 bar (390 psi)

- **Umbilical Pressure Gauge Rate**

0-28 bar (0-400 psi)

- **Pneumophthalate Pressure Gauge Rate**

0-60 meters (0-197 fsw)