



CAPRARO IMPIANTI s.r.l.

OXY CONTROL (OC)

TECHNICAL DESCRIPTION

The oxygen control system of **Capraro Impianti srl** is a central unit that:

- Acquires data on oxygen,
- Analyzes the acquired data,
- Controls the oxygenators,
- Starts alarms (Visual, Sound, by Telephone).

The whole system is contained in a resin panel, with double clear door, suitable for outdoor use (IP 54).

The panel includes:

- Back lighted LCD,
- Plastic-sheet keyboard with numbers and letters,
- PLC (Programmable Logic Control) with integrated software ,
- Electrical commands for the actuators (Pumps, Oxygenators...).



The panel includes a stainless steel support for anchoring.



- The control system is of modular type.
- Each central unit can contain a maximum of three modules (24 probes).
- Each point has four action values and two alarm values.
- The first page of the display shows all the values of oxygen.
- Other physical parameters may be included in the system such as salinity, temperature, pH,
- Each PLC may be connected to a Personal Computer with a serial RS-485 cable.
- A maximum of 99 PLCs may be connected.

TECHNICAL SPECIFICATIONS

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| • Power supply (Vac) : | 240/400 |
| • Max No. of probes/central unit: | 24 |
| • Oxygenizer control outputs (each probe) : | 4 |
| • Alarm outputs (sound-visual) : | 2 |
| • Display data (rows/characters): | 16/40 |
| • Keyboard data (No. of keys): | 40 |

