

PURE WATER GRADE 2  
PURE WATER GRADE 3



**RO CUBIC-S2 d/d2**  
demineralizers for laboratory

# LINE RO CUBIC-S2 d/d2

## A different model for each user's needs

The RO CUBIC-S2 line provides the possibility to adapt each device to the individual user's needs.

Indeed RO CUBIC-S2 is controlled by an **electronic PLC control** unit with a brand new dedicated software and can manage all active functions and control of the machine (it is therefore possible by the user to request specific changes that are better adapted to their requirements) and a regulator of the quality of water supplied depending on the intended use.



## 2 models

- RO 15 CUBIC-S2                      15 lt/h
- RO 30 CUBIC-S2                      30 lt/h

## 2 PURITY GRADES

### REFERENCE STANDARD

- ✦ ISO 3696
- ✦ ASTM
- ✦ NCCLS
- ✦ EP/USP

### RO CUBIC-S2/d

- grade 3
- Type III
- Type III
- conform (w/filter 0,2m)

### RO CUBIC-S2/d2

- grade 2
- Type II
- Type II
- conform

**EL. SPEC. CONDUCTIBILITY AT 25°C (d): 0.2-3 MicroS/cm**

**EL. SPEC. RESISTIVITY 25°C (d2): 10-18,2 MOhm.cm**

## 4 stages of purifications.

- sediment microfilter
- reverse osmosis with booster pump
- mixed bed resins with different purity grade for different quality water product
- Anti-bacteria microfilter 0,2 micron (opziona model /d2)

## 4 operating modes.

- manual ON/OFF
- automatic ON/OFF whit 2 sensor levels for storage tank (min/max)
- manual ON and automatic OFF (whit sensor level for storage tank)
- manual ON and OFF whit flow-meter (opzional and volume preset)

### Feed water requirements

- TDS                      max 500 ppm
- HD                      max 30 °F
- Iron                      max 100 ppb
- Manganese              max 5 ppb
- Chlor                      max 0,1 ppm
- Total bacteria              max 5 UFC/ml
- SDI                      < 5

## A simple and efficient control panel

The RO CUBIC-S2 line is equipped with an efficient control panel in the front and easily viewable by the operator.

- 2 manometers (pressure feed water, operating pressure), steel case and glycerine
- Digital conductivity meter for monitoring the quality of water supplied; wide LCD display, possibility to remote the measured value with the output 4-20 mA configurable
- PLC control unit with LCD display
- Cumulative fault warning light (low pressure, replacement pre filter, water quality, replacing anti bacterial filter when present)

### TECHNICAL FEATURES

- |                                      |       |        |      |
|--------------------------------------|-------|--------|------|
| - min. feed pressure                 | bar   | 2,5    |      |
| - max. feed pressure                 | bar   | 4,0    |      |
| - max. operative pressure            | bar   | 8,0    |      |
| - temperature of water to be treated | °C    | 5-35   |      |
| - hydraulic connection               | IN    | pipe   | PE 8 |
|                                      | OUT   | pipe   | PE 6 |
|                                      | DRAIN | pipe   | PE 6 |
| - electric power                     | V     | 220 ac |      |

### APPLICATIONS

- **HPLC Cromatography (d2)**
- **Spectrofotometric analisys in atomic assorbtion (d2)**
- Preparations/dilutions reagents (d-d2)
- Qualitative colorimetric analisys (d)
- Feed ultra pure water systems, boilers, etc.(base-d)
- Feed glassware washer (base-d)
- Feed steam generators (base-d)
- Feed ultrasuonic sistems, thermostatic baths (base-d)

## Accessories

Storage tank lt 25, 50, 100, 200 PE HD

**BOOSTER PUMP for pressure line water product**

UV sterilizer

Anti-bacteria filter 0,2 micron  
flow meter integrated in PLC



### Dimensions

- |               |                  |
|---------------|------------------|
| Length        | 65 cm            |
| width         | 37 cm            |
| Height        | 60 cm            |
| <b>weight</b> | <b>max 30 kg</b> |