

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)

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

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)

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
weight	max 30 kg