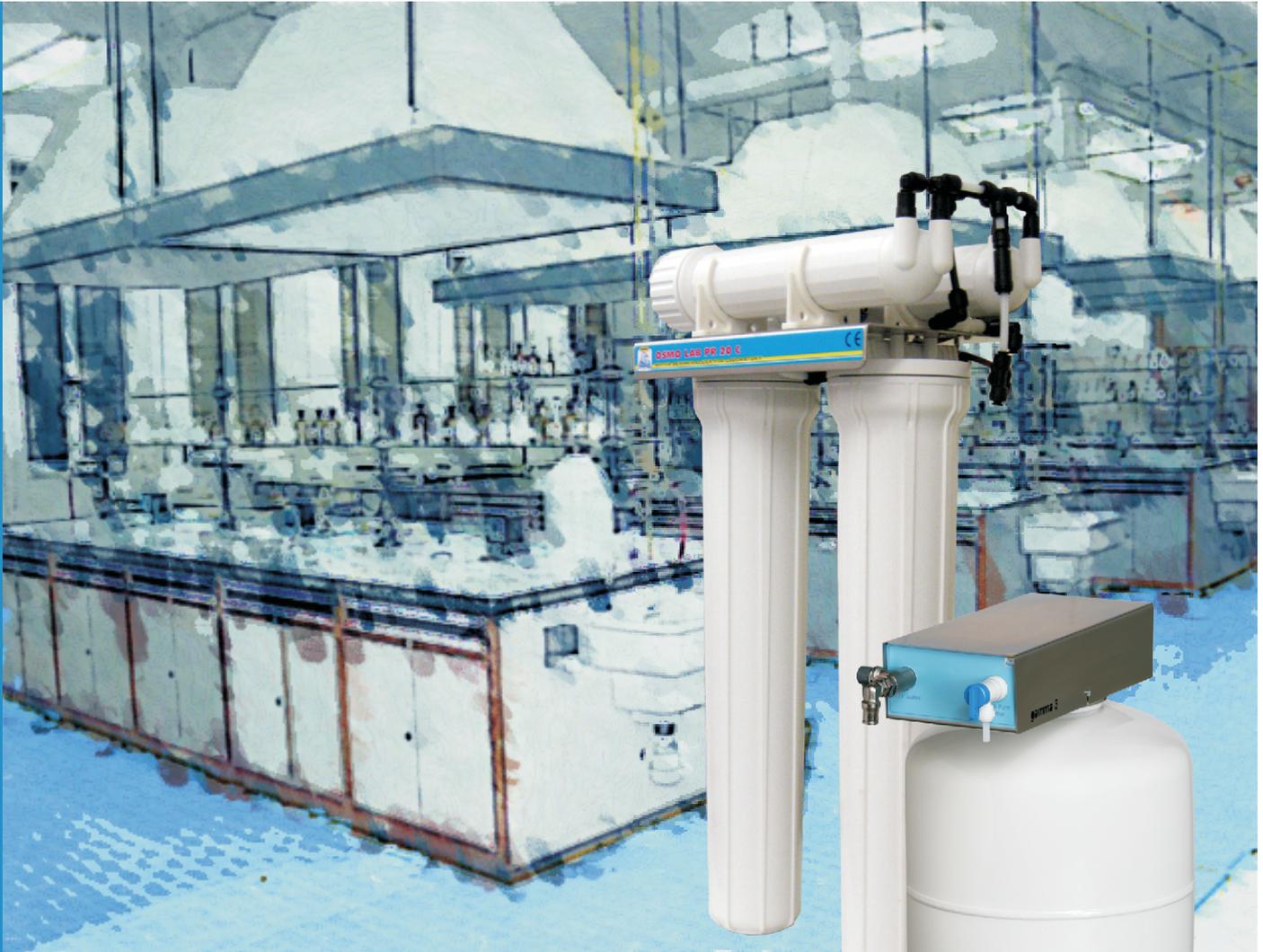


GENERAL LABORATORY GRADE WATER



# OSMO LAB pr 20

LABORATORY DEIONIZER



# OSMO LAB pr 20

## When you need to have more scope available

OSMO LAB pr 20 is designed to produce pure water grade 3 from tap water. OSMO LAB pr 20 has 2 osmosis membranes and therefore can guarantee a high production work with despite the pressure of 'waterworks.

The size of the cartridge pre-filter and resin allows excellent autonomy before replacement.



## Careful use of space

In modern laboratories the spaces available are increasingly reduced, so we thought OSMO LAB pr 20 so that it can be easily accommodated even in places not very accessible (inside furniture, wall hanging, local secondary). The user will have available on the bench working on tank pressure, with a reserve of 9-10 liters of water and on which there are 2 dispensers for the differential sampling of purified or pure grade 3. You can also optionally connect 2 or more storage tanks also distant among them, OSMO LAB pr 20 manage them automatically.

## Water of good quality with low production costs

OSMO LAB pr 20 is able to produce demineralised water with purity usually above the minimum standards required for grade 3, however, keeping production costs low because OSMO LAB pr 20 is directly fed with water of waterworkr, without normally pre-treatment details; also uses purified water for laboratory assistant is produced only by a method for reverse osmosis (without material consumption for demineralization) and finally pure water GRADE 3 is obtained with resins of high purity, and these volumes to allow high-performance cycles of demineralization and higher production of 1000 liters per charge \*.

(\*) The length of the cartridges of resin depends on the quality of feed water

### 2 TYPES OF WATER STILL AVAILABLE:

- ↻ purified water for technical uses
- ↻ pure water GRADE 3 (conf. ISO 3696)

### 4 PURIFICATION STAGES

- ↻ sediment micro filter
- ↻ reverse osmosis
- ↻ mixed bed ion exchange resins
- ↻ anti bacteria micro filter 47 mm (opzional)

### CONTINUOUS MONITOR OF WATER PRODUCED

- ↻ El. conducibility water product at 5 led

Storage tank lt 25, 50, 100 PE HD  
Pressure storage tank lt 19



filter holder for anti bacteria membranes 47 mm 0,2mcr



Disposable bags lt demineralized water 1.5 port

## QUALITY STANDARD

- |                                     |          |
|-------------------------------------|----------|
| ↻ ISO 3696                          | grade 3  |
| ↻ ASTM                              | Type III |
| ↻ NCCLS (with anti bacteria filter) | Type III |
| ↻ EP/USP(with anti bacteria filter) | conform  |

**EL. SPEC. CONDUCTIBILITY 25°C 0,2-3 s/cm**

### Feed water requirements

- TDS max 1000 ppm
- HD max 35°F
- iron max 100 ppb
- Manganese max 5 ppb
- chlor max 0,1 ppm
- Tot. Bacteria max 5 UFC/ml
- SDI < 5
- pressure min 2,0 bar  
max 4,5 bar

- temperature min 5 °C  
max 35 °C

### Technical features

- Produced water 6-8 lt/h
- Electric power 220V AC
- Hydraulic connect. IN 1/4"  
OUT 6/4  
DRAIN 6/4

### Dimensions

- |                   |                                 |
|-------------------|---------------------------------|
| Purif stage       | Le 35 cm<br>De 18 cm<br>H 75 cm |
| Serb. acc. PRESS. | Di 28 cm<br>H 43 cm             |

**OPTIONALS**