

OSMO LAB 2

LABORATORY DEIONIZER

GENERAL LABORATORY GRADE WATER



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 $\mu\text{S}/\text{cm}$

gamma 3
ECOLOGIA

A simple and versatile instrument indispensable in the laboratory

OSMO LAB 2 is a demineralizers able to produce pure water of Grade 3, suitable for all general purpose of a laboratory analysis. Its simplicity of operation and its versatility makes it an extremely reliable and therefore indispensable. OSMO LAB 2 can be powered directly from the water network and its functioning exploits the pressure. The water produced is stored in a tank in PE It 25 (standard), but can also be equipped with a pressure system with 2 dispenser from which you can take is to use purified water accessories, water pure Grade 3 . The two types of tanks can be connected simultaneously.

Careful use of space

In modern laboratories the spaces available are increasingly reduced, so OSMO LAB 2 can be easily accommodated even in places not very accessible (inside furniture, wall hanging, local secondary). The user will have available on a work bench or more tanks, one or more reservoirs in PE HD with capacities from 25 to 100 lt; one or more storage tanks under pressure, with a reserve of 9-10 liters of water and 2 dispenser , the operation of the still fully automatic.

4 purification stages

- microfilter anti sediments
- reverse osmosis
- Ion exchange resins, mixed bed
- microfiltrer 0,2 micron anti bacteria (optional and only applicable to pressure tank with dispenser)



TECHINCAL FEATURES

- HOURLY PRODUCTION	lt/h	3-4
- DAILY PRODUCTION	lt	80-90
- min. feed pressure	bar	2,5
- max feed pressure	bar	6,5
- feed water temperature	°C	5-35
- Hydraulic connection	IN	pipe PE 6/4
	OUT	pipe PE 6/4
	DRAIN	pipe PE 6/4
- ALIMENTAZIONE ELETTRICA	V	220 ac / 12 ac

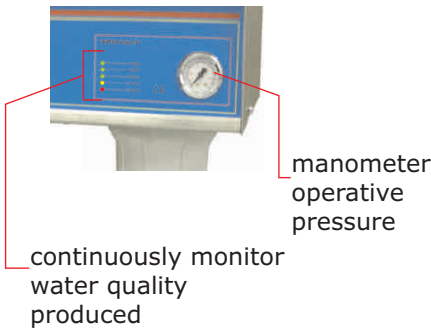
APPLICATIONS

- General laboratory uses
- Glass works rinsing
- Preparation / diluting of reagents
- Colorimetric and qualitative analyses
- Feeding of thermostatic baths
- Feeding of glass works washers

Feed water requirements

- TDS	max	1000 ppm
- HD	max	30°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

Control panel



Dimensions

Purif.Stage	Le 38 cm
	De 20 cm
	H 40 cm
Serb. acc. PE 25 lt .	Di 27 cm
	H 57 cm
Serb. acc. PRESS.	Di 28 cm
	H 43 cm

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

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

Disposable bags lt demineralized water 1.5 port



OPTIONALS