

water purification
system

Micromatic

Wasserlab
Sistemas de purificación de agua
Water Purification Systems

The Micromatic water purification unit is a perfect alternative to the classic glass distiller, presenting numerous advantages over the latter, such as water quality, water and electrical consumption or the simplicity and convenience of the process. It is not necessary to be controlling the water inlet, as well as opening and closing the fountain, we avoid manipulating the glass equipment.

The glass distiller is used in educational centers and laboratories that require water type III. This water is suitable for general laboratory tests such as qualitative analyses, histological or parasitological procedures, washing of analytical samples, preparation of standard solutions and for the washing and rinsing of general laboratory use material.

The Micromatic water purifier is the right equipment for more specialized laboratories requiring type II water. This water is recommended for most analytical and general laboratory processes, such as haematological, serological or microbiological analysis; as well as for chemical methods that specifically require it or preparation of standard solutions of higher accuracy.



micromatic: water monitoring

The purification is under the permanent control of a Microprocessor that controls the entire process and informs the user, through a 3-inch digital display, of:

- The quality of the final water produced (continuous monitoring)
- Equipment status at any time (in production, full tank...)
- Need for change of consumables



micromatic: user friendly

- Very simple installation.
- Quick and easy maintenance, no tools required.
- Maximum comfort, no periodic cleaning with acids.
- Economic: lower cost per litre of water produced.
- Robust: no more broken glass
- Ecological: significant savings in natural resources such as electricity and water.
- Comparison with conventional distiller:

Equipment	Degree of purity	Power consumption/ purified water litre (watt)	Litres of drinking water consumed/ liter of purified water	Water quality produced ($\mu\text{S}/\text{cm}$)
Glass distiller	Type II	750-1.000	20-30	2 -3
Micromatic	Type III	5-20	3-4	<1

features:

REF - PDB002 y PDB003



Code	PDB003	PDB002
Production flow		2,5 l/h
Conductivity		< 1 μ S/cm
Silica removal		>99,9 %
Reverse osmosis efficiency		95 - 99%
Depósito almacenamiento	No	Yes (25 L)
Equipment dimensions		45x25x40 cm
Power supply		100-240V, 50/60Hz
Working weight		9 Kg

micromatic: feed water requirements

Maximum pressure	6 bar
Minimum pressure	3 bar
Temperature	5°C - 35°C
Maximum hardness	300 ppm (CaCO ₃)
SDI (Silt Density Index)	< 5
Conductivity	800 µS/cm
Free chlorine	< 1 ppm
Turbidity	< 1 NTU

micromatic: accessories

Code	Description
PDD002	Pretreatment cartridges Pack of 4 units to treat 900 L of water <small>(For Micromatic with serial number 212.131 to 218.036)</small>
PDD003	Resin cartridges Pack of 2 units to treat 1500 L of water
PDD004	Osmosis cartridge 3 L/h
PDD005	Pretreatment cartridges Pack of 2 units to treat 600 L of water <small>(For Micromatic Series No. 218.097 onwards)</small>

[1] Pretreatment cartridges

