

Micromatic

LABORATORY WATER PURIFIER

Wasserlab
Sistemas de purificación de agua

MICROMATIC
TYPE II. ANALYTICAL GRADE WATER

Micromatic: Purifies tap water with quality below 1 $\mu\text{S}/\text{cm}$, optimal for general laboratory use

The purification is permanently monitored by 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).
- State of the device at any time (in production, full tank...).
- When consumable change is needed.



TYPE II WATER MONITORING



SIMPLICITY OF OPERATION

Very easy to install.

Quick and easy maintenance, no tools required.

Maximum comfort, without regular 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.

The water purification system includes three modules:

- Pretreatment
- Reverse Osmosis Membrane
- Final Deionization with Ion exchange resin cartridges



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

Storage

The purified water produced is stored in an open tank, whose filling is controlled by automatic float system.



The equipment is delivered calibrated from factory (SGC ISO9001).

At the request of the client, subsequent calibrations can be carried out following a calibration pattern according to international standards.

Specifications

Production flow	2,5 l/h
Conductivity	< 1 $\mu\text{S}/\text{cm}$
Silica removal	> 99,9 %
Reverse osmosis efficiency	95 - 99%

Dimensions (cm)

Equipment	45x25x40 (HxWxD)
Tank	28x60 (Diam.xH)

Weight in operation 9 kg

Feed Water Requirements

Inlet water	Tap water
Conductivity	< 1,500 $\mu\text{S}/\text{cm}$
Free chlorine	< 2 ppm
Turbidity	< 1 NTU
SDI (Silt Density Index)	< 5
Maximum hardness	360 ppm (CaCO_3)
Temperature	5 - 35°C
Minimum pressure	3 bar
Maximum pressure	6 bar

Installation Requirements

Electrical Power	120 - 230 VAC
Drain	Max. 3 meters far
Connector	3/8" BSP male

Applications

Preparation of culture media
Preparation of reagents and buffer solutions
Cleaning the material
Clinical Analyses