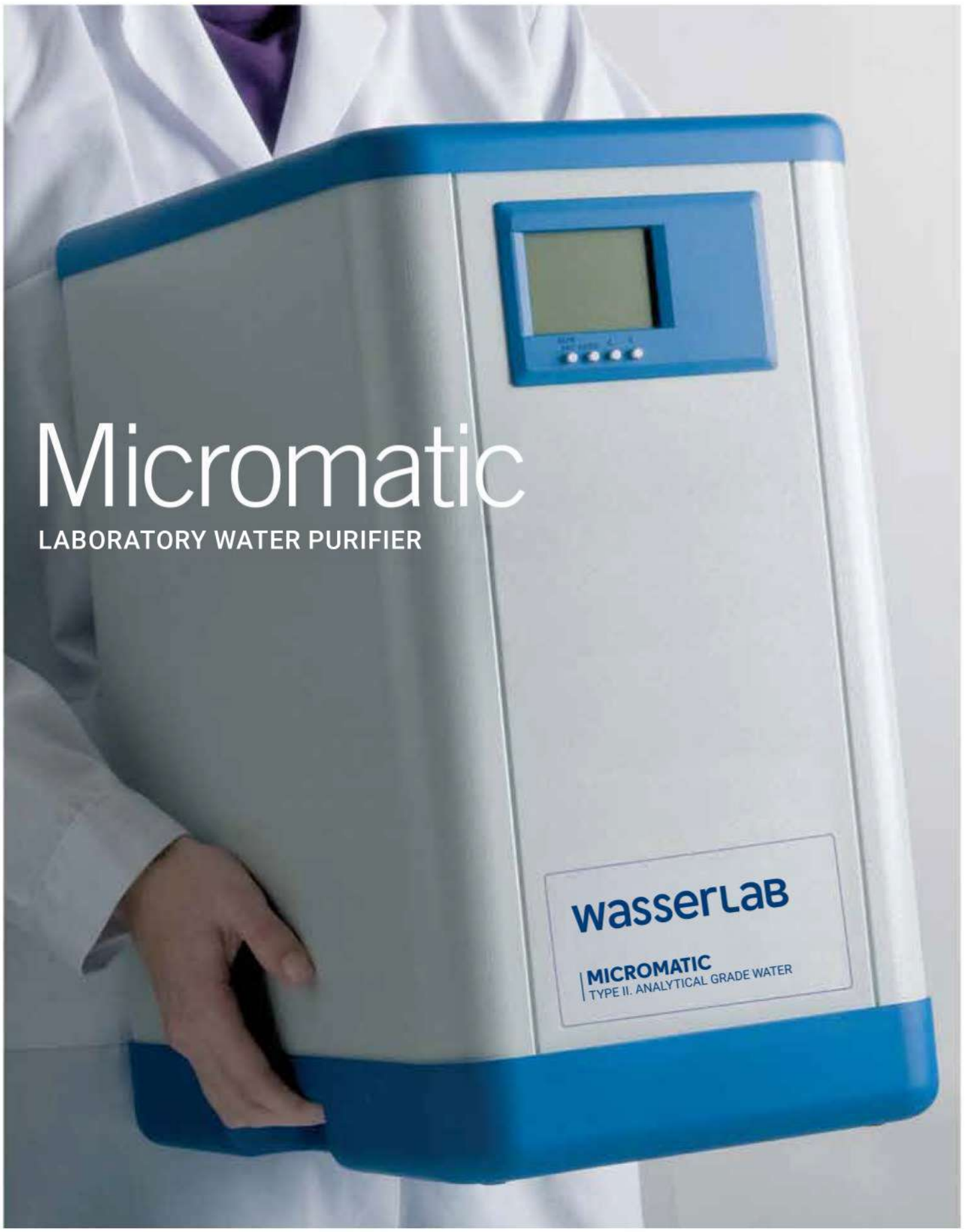
wasserLaB

Micromatic

LABORATORY WATER PURIFIER



Micromatic: Purifies tap water with quality below 1 µS/cm, optimal for general laboratory use

The water purification system includes three modules:

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

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.

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.

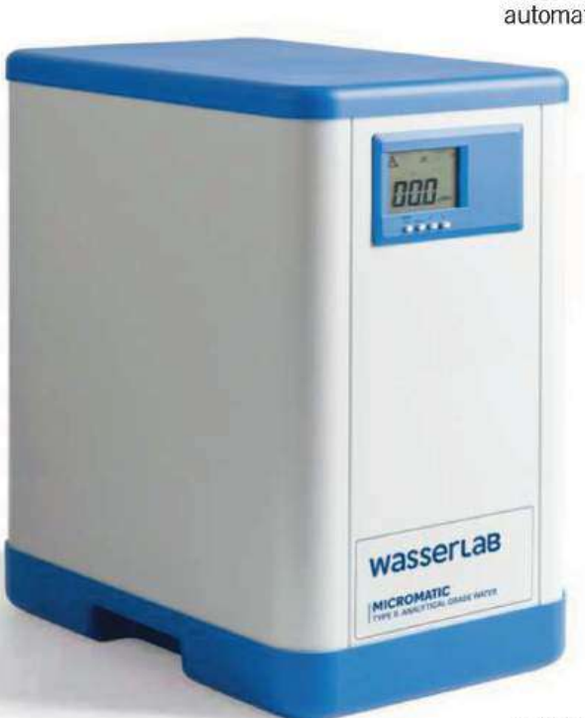
Ecological: significant savings in natural resources such as electricity and water.

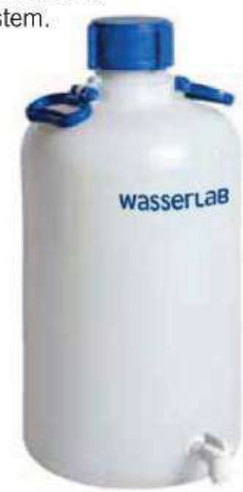
TYPE II WATER MONITORING

Equipment	Power consumption/ Litre purified water (watt)	Litres of drinking water consumed / litre purified water	Water quality produced (µS/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 IS09001).

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 µS/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	< 1,500µS/cm
Free chlorine	< 2 ppm
Turbidity	< 1 NTU
SDI (Silt Density Index)	< 5
Maximum hardness	360 ppm ($CaCO_3$)
Temperature	5 - 35ºC
Minimum pressure	3 bar
Maximum pressure	6 bar

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

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

wasserlab@wasserlab.com

CE

Wasserlab®

We are manufacturers of **water purification equipment** with an extensive track record in the installation of solutions in **multiple sectors.**

We offer **personalised advice** in the selection of equipment and we provide **comprehensive technical support** to guarantee optimum operation.

Pol. Ind. Comarca II Calle E, Nº 3. 31191 Barbatáin - Navarra (Spain)
T. +34 948 186 141 - info@wasserlab.com
www.wasserlab.com