

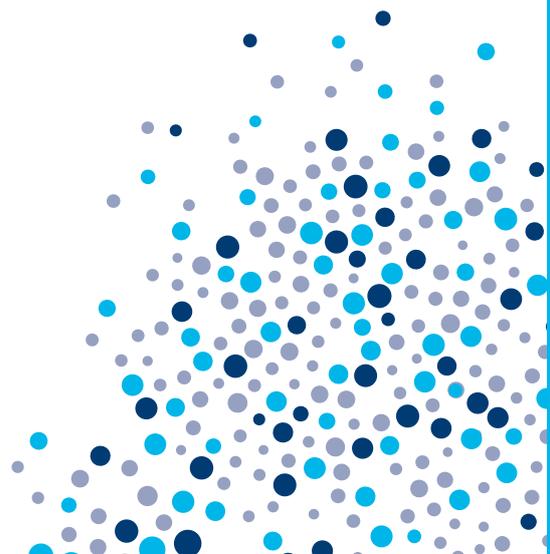


wasserlab

ULTRAMATIC

ULTRAPURE WATER TYPE I

from Purified Water



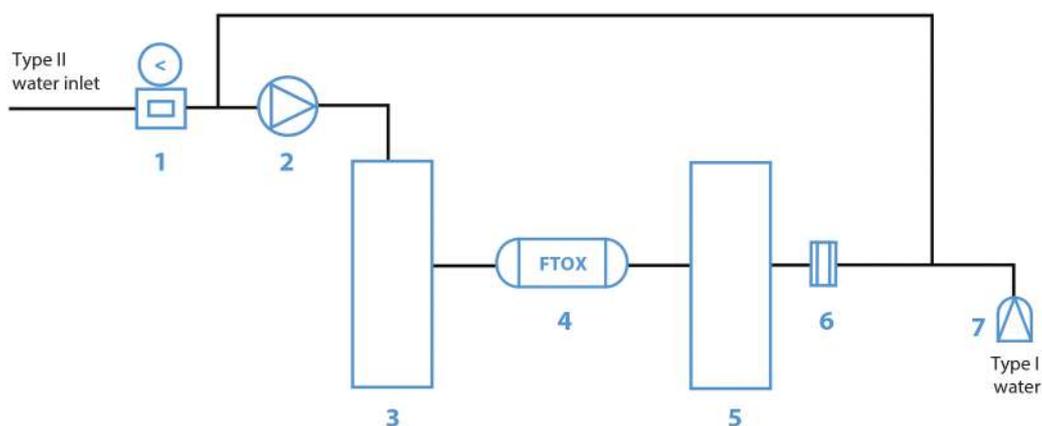
ULTRAMATIC GR

ULTRAPURE WATER (Type I)

“Ultrapure Water Type I (Reagent Grade), at the lowest cost”



Ultramatic GR



The Ultramatic GR equipment produces Type I water (Reagent Grade) according to the ASTM Quality Standards

1 Pressure regulator. 2 Pump. 3 GR Purification module. 4 Photo-oxidation lamp. 5 GR Purification module.
6 Resistivity / Temp. sensor. 7 Final Filter 0,22 µm.

The Wasserlab Ultramatic GR equipment produces, and instantly dispenses at user's demand, Type I Ultrapure Reagent Grade water which exceeds the ASTM quality standards, adapting to the various purity requirements of each user according to the analysis techniques applied.

Basis

Ultramatic dispenses 1.1 liters/minute of Ultrapure water Type I Reagent Grade water of 18.2 MΩ.cm at 25 °C, COT <10 ppb and bacterial count ≤1 ufc/ml, from pre purified water:

- I Type II Water(Ecomatic/ Autwomatic)
- I Osmotized Water
- I Deionized Water
- I Distilled Water

The pre purified water flows through:

- I A **GR** purification module that reduces contaminating ions to traces level.
- I A photo oxidation module that reduces organic contamination to traces level.
- I The water is dispensed through a 0,22 µm amicrobic Filter.

Automatic recirculation

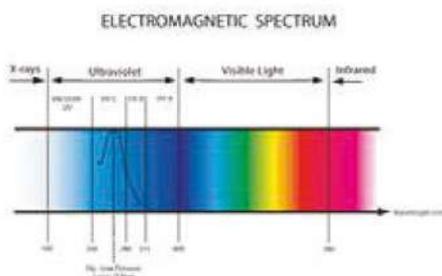
Ultramatic automatically recirculates the water contained in its circuit, ensuring the maximum quality of the water dispensed.

Photo-oxidation

Ultramatic includes a photo oxidation module as a base feature, and its lamp emits:

- I UV radiation at 254 nm with germicide activity (irreversibly alters bacterial DNA).
- I Radiation at 185 nm with the capacity to generate free hydroxyl radicals that oxidize the organic compounds dissolved in the water into ions, carbonate and bicarbonate which will be retained by the third **GR** purification module.

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Measurement of resistivity

Ultramatic **GR** provides with a continuous measurement of the water's resistivity (± 0,1 MΩ.cm) with temperature compensation (± 0,1 °C).

As a safety mechanism for users, the equipment software includes a prefixed set point minimum value (10 MΩ.cm) the equipment does not dispense water if this value is reached.



Calibration

Equipment calibrated using certified standard traceable to international standards.

Applications

- I AA / ICP
- I HPLC / IC
- I GC-MS

Wasserlab

Water Purification Systems

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.

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