

Ecomatic

Laboratories



The alternative in Water Purification Systems”

Wasserlab, a firm with over 20 years of experience, designs and manufactures water purification systems to satisfy the daily Pure and Ultrapure Water requirements of laboratories and companies.

We are manufacturers, and therefore we are in a position to offer both, standard equipment and user bespoke equipment.

Wasserlab offers the market's best quality/price ratio for its water purification systems, together with its Maintenance and Technical Assistance Service.

Our company's philosophy focuses on providing our clients with the fastest and most efficient after sales service.

We offer different solutions to your different laboratory or company needs:

- Type I Ultrapure Water (Reagent Grade)
- Type II Purified Water (Analytical Grade)
- Type III Water (Osmotized)



The products are designed for use in:

LABORATORIES
Desktop equipment

HOSPITALS
High production
equipment

INDUSTRY
Bespoke facilities

Type I and II Water specifications according to ASTM (American Society for Testing and Materials)

Characteristic	Type I (Reagent Grade) Water	Type II (Analytical Grade) Water	Type III (Osmotized) Water	Type IV
Conductivity ($\mu\text{S/cm}$)	0,055	1,0	4	5
Resistivity ($\text{M}\Omega\cdot\text{cm}$)	18,2	1,0	0,25	0,2
Total Organic Carbon (ppb)	10	50	200	
Sodium (ppb)	1	5	10	50
Chloride (ppb)	1	5	10	50
Total Silica (ppb)	3	3		
Endotoxins (EU/ml)	< 0,03	< 0,25	-	-

Bacterial content ufc/ml <1. It requires use of 0,22 μm final filter.

Clinical and Laboratory Standards Institute (CLSI)

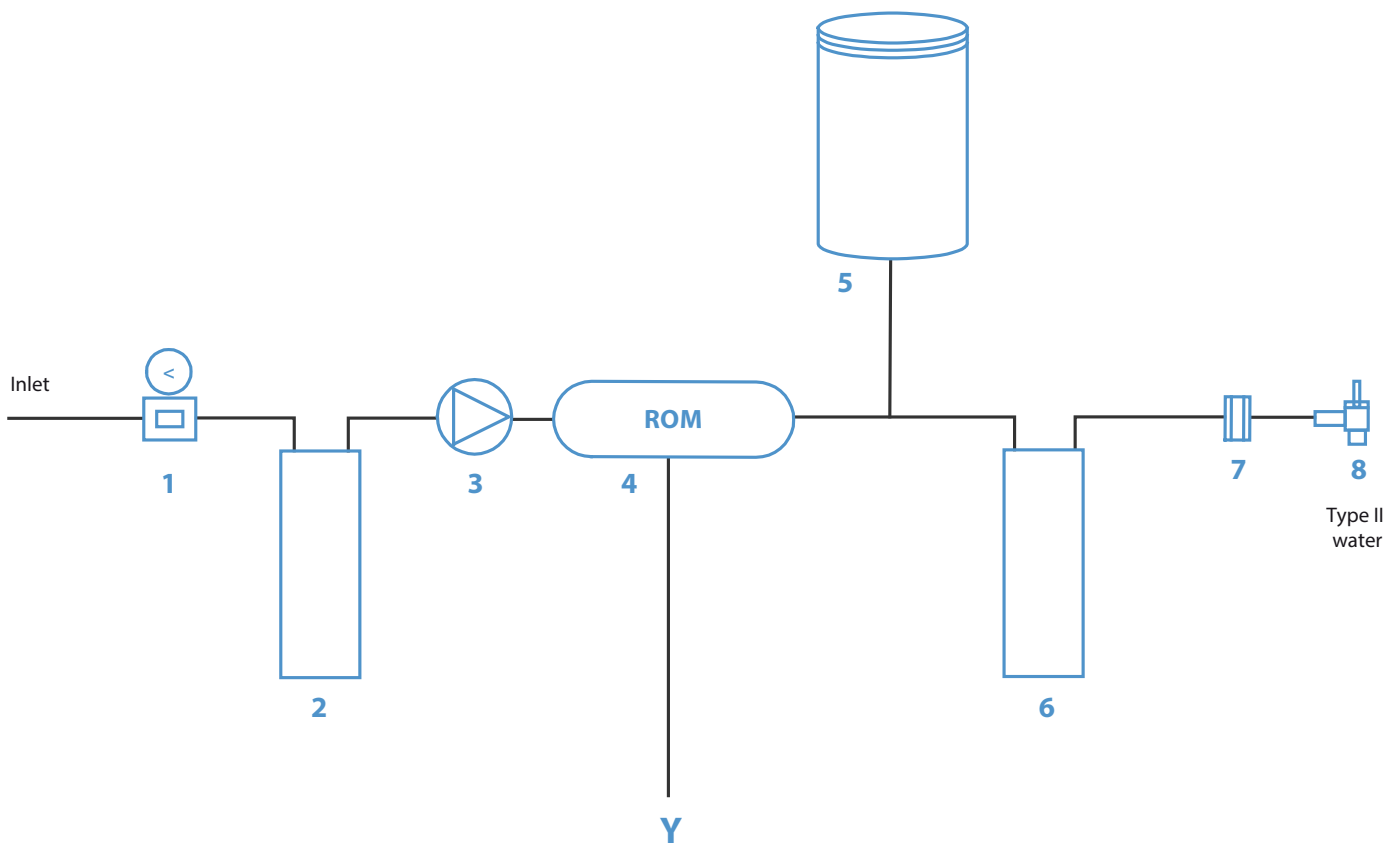
Parameter	Type I (Reagent Grade) Water	Type II (Analytical Grade) Water	Type III (Osmotized) Water
Bacteria (cfu/ml)	< 1	< 100	< 1000
Resistivity ($\text{M}\Omega\cdot\text{cm}$ @ 25°C)	> 18	> 1	> 0,05
Silica (ppb)	< 10	< 100	< 1000
TOC (ppb)	< 10	< 50	< 200
Pyrogens (EU/ml)	< 0,03	-	-

ECOMATIC

PURIFIED WATER (TYPE II)

OSMOTIZED WATER (TYPE III)

Water that is always freshly produced, with stable quality and the best performance at the lowest cost.



The Ecomatic Equipment
always dispenses freshly
purified Type II Water

1 Pressure Regulator. 2 Pretreatment module. 3 Pump. 4 Reverse Osmosis membrane. 5 Pressure Tank. 6 DI module.
7 Type II water conductivity sensor. 8 Dispensation tap.

Ecomatic: Compact water purification equipment that produces Type II (ASTM*, Analytical Grade) Water, using water directly from the mains

*American Society for Testing and Materials



Ecomatic provides Type II (Analytical Grade) Water, with productions of 3, 5 and 10 l/h, according to model

The combination of water purification systems using inverse osmosis and deionization, provides purified water with a stable quality, at a very competitive price.

The equipment **always dispenses freshly produced Type II Water**, avoiding its deterioration caused by storage.

Accumulation of Osmotized water

The permeate water from the reverse osmosis module accumulates in a pressurized tank (30 or 50 liters), which is opaque and airtight and protects the water from any contact with light and air, thereby preserving it from any possible contamination.



Easy to handle

Easy to install.
Easy, quick maintenance, thanks to its system of exchangeable cartridges, using fast connections.



Type II Water Monitoring

Continuous control of the purification process using a microprocessor

An easy-to-read digital screen informs users, at all times, of the following conditions:

- | The quality of the water produced measured in $\mu\text{S}/\text{cm}$, with a resolution of $\pm 0,1 \mu\text{S}/\text{cm}$.
- | The status of the purification process (in production, full tank, equipment dispensing) and warnings, using easy-to-interpret symbols.

Fully automatic operation for maximum tranquility for users.

Warning set point parameters can be programmed as desired.

Applications

More than 90% of general laboratory assays require Type II Water:

- | Preparation of culture media
- | Preparation of reagents and buffer solutions
- | Cleaning the material
- | Clinical Analyses
- | Salt spray Chambers and Climatic Test Chambers
- | Supplying equipment to produce Type I (Ultrapure) Water
- | Ecomatic can also provide Type III (Osmotized) Water for thermal disinfection devices and Autoclaves.



A large number of customers already trust the Wasserlab products

- Universities from all over the world
- Leading research centers
- Hospitals
- Laboratory equipment manufacturers market leaders

The advantages of our Systems

Stable quality
Reliability
Easy and efficient handling

DISTRIBUTED BY:

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