

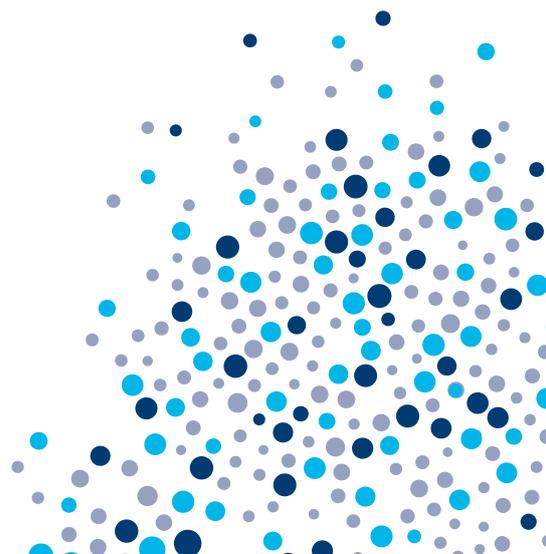


# wasserLAB

ECOMATIC from 3 to 10 l/h

TYPE II WATER

OSMOTIZED WATER

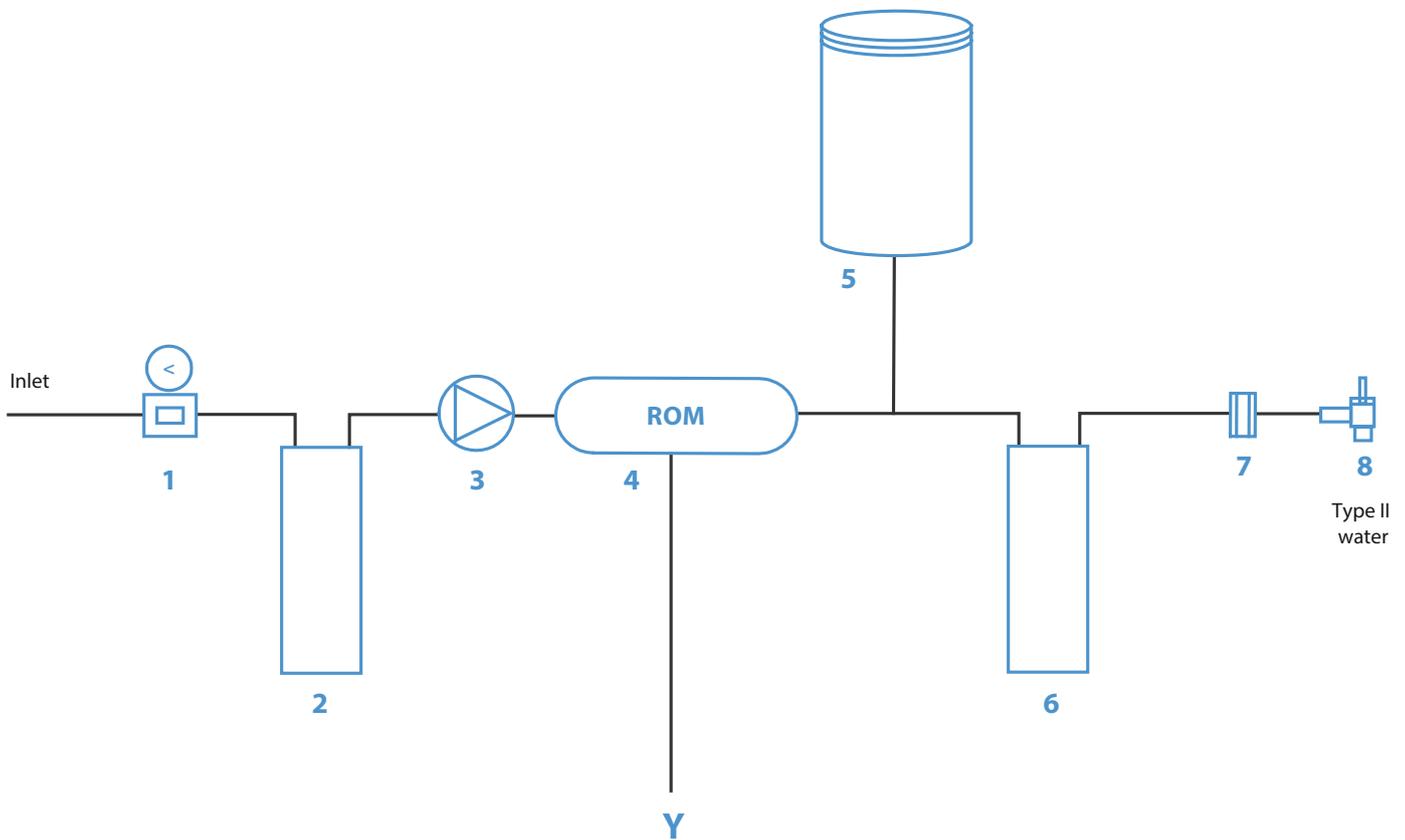


# ECOMATIC

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.

# Ecomatic – Automatic Technical Specifications

Equipment	ECOMATIC
<b>Final Water Quality</b>	<b>Type II</b>
Conductivity (µS/cm)	<1
<b>Rate and Storage</b>	
Flow Rate LPH	3/5/10 l/h
Max. Flow rate Recommended LPD	30 - 50 - 100
RO Pressurized Tank (L)	30/50
<b>Dispensation</b>	
Manual Dispensing	✓
<b>Continuous Monitorization</b>	
Touch Screen / Keyboard	Keyboard
Visual and audible warning messages	✓
Feed Water Conductivity (µS/cm)	
Osmotized water Conductivity (µS/cm)	
Ionic Rejection %	
Final Water Conductivity (µS/cm)	✓
Work Time counter	✓
Water Temperature (°C)	
Temperature compensation	✓
<b>Warning to user messages</b>	
Out of range parameters	✓
Pretreatment cartridge exchange	✓
RO exchange	
DI cartridge exchange	✓
Feed water supply failure	✓
<b>Automatism</b>	
Automatic Start/Stop	✓
Automatic Stop/water supply failure	✓
<b>Other elements</b>	
DI increasable	✓
<b>Dimensions (Height/Widht/Depth) [cm]</b>	45x25x48
<b>Weight [kg]</b>	12
<b>Power supply</b>	110-220 VAC / 50-60 Hz
<b>Feed Water Requirements</b>	
Min. Inlet Pressure	2 bar
Max. Inlet Pressure	6 bar
Max. Water Temperature	30 °C
Max. Hardness	300 ppm (CaCO <sub>3</sub> )
SDI (Silt Density Index)	< 5
Max. Feed Water conductivity	1000 µS/cm
Free Chlorine	< 1 ppm
Turbidity	< 1NTU

# 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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