

PURIFIED WATER FOR LABORATORIES

Quality of patient results depend on:



**Preamalytic*

**Instruments*

**Reagents*

**Purified water*

CONTAMINANTS IN RAW WATER



Minerals

Organic

Particles, colloids

Micro-organism

Gases

METHODS TO REMOVE THIS CONTAMINANTS

Distillation

Ions exchange

Reverse osmosis

Ultra-filtration

Microporous filtration

Photo-oxidation

Activated- carbon adsorption

EFFICIENCY OF EACH METHODS

Methods \ Contaminants	Distillation	Ions exchanges	Reverse osmosis	Ultra-filtration	Micro-filtration	Activated carbon
IONS						
ORGANICS						
PARTICULS COLLOIDS						
BACTERIA						
GAZ						



Ineffective



Effective

TECHNICALS WORLDS TO EVALUATE THIS CONTAMINANTS

Hardness: measures the scaling power of a water related to the presence of ions Ca and Mg (in °F/ French degrees)

The conductivity ($\mu\text{S}/\text{cm}$) or resistivity (Megahoms.cm):
measures the ionic contamination

Total Organic Carbon, TOC (mg/l)
measures the organic contamination

Bacteria quality (CFU/ml)
measures the quantity of bacteria

DIASYS WATER PURIFIERS

Combination of 4 methods in 3 steps:

Pre filtration (Micro filtration + Activated carbon)

Reverse Osmosis































Ions exchanges

DIASYS WATER PURIFIERS

Step 3

Step 2

Step 1

Methods \ Contaminants	Distillation	Ions exchanges	Reverse osmosis	Ultra-filtration	Micro-filtration	Activated carbon
IONS						
ORGANICS						
PARTICULS COLLOIDS						
BACTERIA						
GAZ						



Ineffective



Effective

The logo for the e MINI device, featuring a stylized 'e' in a square followed by the word 'MINI' in a bold, sans-serif font.

***THE OMINI IS RECOMMENDED FOR DAILY
DI WATER CONSUMPTION LESS THAN 30
LITERS SPECIALLY ADAPTED FOR
RESPONS 920***

Technical specifications



Power tension	230 volts ~ / 50 Hz.
Production flow at 25 ° C	15 liters / hour
Production flow at 10 ° C	9 liters / hour
Resins type	Resin with mixed beds
Resins volume	0.75 liters
Maximum supply water temperature	38 °C
Maximum hardness without protection	40 °f of TH
pH	3 to 11
Min / max inlet pressure	2 / 6 bars
Dimensions (l x h x w)	42 X 39 X 43 cm
Weight	13.5 kg
Provided accessories	<ul style="list-style-type: none">- 1 pressurized storage tank of 12 liters- 1 conductimeter- 1 filters spanner- pipe 1/4"

maxi

DiaSys

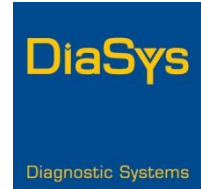
Diagnostic Systems



***THE O MAXI IS
RECOMMENDED FOR DAILY
DI WATER CONSUMPTION
OVER 50 LITERS SPECIALLY
ADAPTED FOR BIOMAJESTY
6010C***

Equiped with a new RO membrane reducing the water consumption

Technical specifications



Power tension	230 volts ~ / 50 Hz.
Production flow at 25 ° C (77 °F)	55 liters / hour
Production flow at 10 ° C (50 °F)	40 liters / hour
Resin type	Mixedbed ions exchange resin
Resin volume	11 liters (another volume in option)
Maximum inlet water temperature	38 °C (100 °F)
Maximum hardness without protection	40 °f (French degree) of TH (1 °f = 10 mg/L CaCO ₃ = 4 mg/L Ca ²⁺ = 2.4 mg/L Mg ²⁺)
pH	3 to 11
Min /max inlet pressure	2 / 5 bars (29 / 87 PSI)
Sizes (l x h x w)	55 x 45 x 73 cm
Weight	58 kg
Provided accessories	<ul style="list-style-type: none">- 1 pressurized storage tank of 75 liters- 1 conductimeter- 1 bottle containing 11 L of mixedbed resins- 2 filters spanners- Tubes and fittings for installation