



# ES-BIH 401

Water bidistiller



LABORATORY

## **PRESOSTAT**

Safety thermostat protects still in the event of water supply failure.

## **ELECTROVÁLVULE**

Cuts water and electrical supply to avoid useless expenses of water and electricity. Returns to open water inlet if the electrical supply is enough to let the water still to work properly.

## **LEVEL DEVICE**

Device to fill a container without worrying when it finished. It cuts water and electrical supply to avoid useless expenses of water and electricity.

## **BIDESTILILLER**

Designed to work automatically with a production of 4 liters per hour, includes several safety systems to work continuously.

## **HIGH PURITY BIDISTILLED WATER**

All of our distillers are made of borosilicate glass 3.3, Pyrex or Duran. Incorporate a ebullidor, a large surface condenser and a quartz-sheathed resistance.

All parts are borosilicate glass 3.3, so the water is always in contact with extremely inert (stable), which ensures high quality water, free of metal ions and pyrogens, with a conductivity 1-2  $\mu\text{S}/\text{cm}$ .



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## Water bidistiller

### Features

- Produces distilled water for the most common applications in the laboratory.
- Made of borosilicate glass 3.3, ideal for producing high quality water.
- Incorporates several security systems for automatic operation: presostat, electrovalve and level sensor.
- Cooling water outlet by rubber tube. The condensed water not flowing through the cooling water outlet
- Energy saving through distillation of preheated cooling water.
- Distillation process visible through the front screen.
- The main switch and monitor drivers are on the front of the unit
- Control of water level automatic cut off power in case of lack of water
- Output of the distillate on the side of the unit.
- Output of carbon dioxide through hole of the top of condensers
- It can be assembled on the wall.

### Technical features

<b>Distilled water production</b>	4 l/hour
<b>pH</b>	Depends on tap water inlet 5.5-7
<b>Conductivity</b>	1.5 µS/cm.
<b>Cooling water</b>	1,2 l/min.
<b>Electrical power</b>	6000 W. Voltage 230 V.
<b>Dimensions</b>	(length x width x height) 70 x 36 x 47 cm.
<b>Weight</b>	23 kgs

### Note on the water output:

Depends directly on the quality of water supply and other environmental factors, maybe type II (according ASTM).

All parameters have been tested under laboratory conditions standard.

Production in liters is for a value of 230V, if a voltage drop, production will decline accordingly.



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