

RAYPA

ECO-EFFICIENT WATER PURIFIER

ECOPUR-MP

DIRECT PRODUCTION REVERSE
OSMOSIS PURIFIER WITHOUT WATER
ACCUMULATION

ACCESSORY



Eco-efficient water purifier



APPLICATION

- + Prevent residues or salts from depositing inside the steam generator, the pipes, and the sterilization chamber.

INCLUDED ITEMS

- 1 complete purifier with eco-efficient module.
- 1 PE hose 1/4" + water outlet faucet + hose (160 cm).
- 1 PE hose 3/8" + 3/4 coupler + 3/4 hose (80 cm).
- 1 PE hose 1/4" (160 cm).
- 1 filter wrench.
- 1 eco-efficient module wrench.

BENEFIT

- **Everything under control:** smart screen with LED technology.
- **High water flow:** 1,3L/min.
- **Low-pressure start:** requires a minimum pressure of 0,5Bar.
- **Eco-efficient technology:** greater production and longer lifespan.
- **Eco-efficient anti-pollution system:** saves water and energy.
- **Big-flow pump:** noiseless, higher pressure, and greater production.
- **Quick connection system:** simple and safe installation.

CHARACTERISTICS

- The ECOPUR-MP water purifier provides a flow rate three times faster than traditional systems, an extended lifespan, and higher quality treated water; reducing 99% of chlorine and chemical contaminants.
- Depending on the model, it may require the combined installation of the external tank (TANK-KLL) and the automatic water filling system (KLL-MP).

Technical description

- Equipment status information.
- Big-flow pump.
- 1 sediment filter.
- 2 filters + 1 granular activated carbon post-filter.
- 1 eco-efficient membrane.
- Automatic start and stop system.
- Housing closure system without the need for screws.
- Cartridge replacement alert system.
- Audible and visual alarm system.
- Water leak and low pressure shutdown system.
- Safety shutdown system every operating hour.
- Operating hours counter since filter change.

Accessories



AUTOMATIC WATER FILLING
Ref. KLL-MP



PURIFIED WATER TANK
Ref. TANK-KLL

Eco-efficient water purifier

OPERATION

The eco-efficient purification process is achieved by subjecting the water to five distinct stages:

1. 5-micron pre-filter

Elimination of macroparticles

2. Granulated activated carbon

Adsorption of free chlorine, organic matter, and heavy metals

3. Extruded carbon

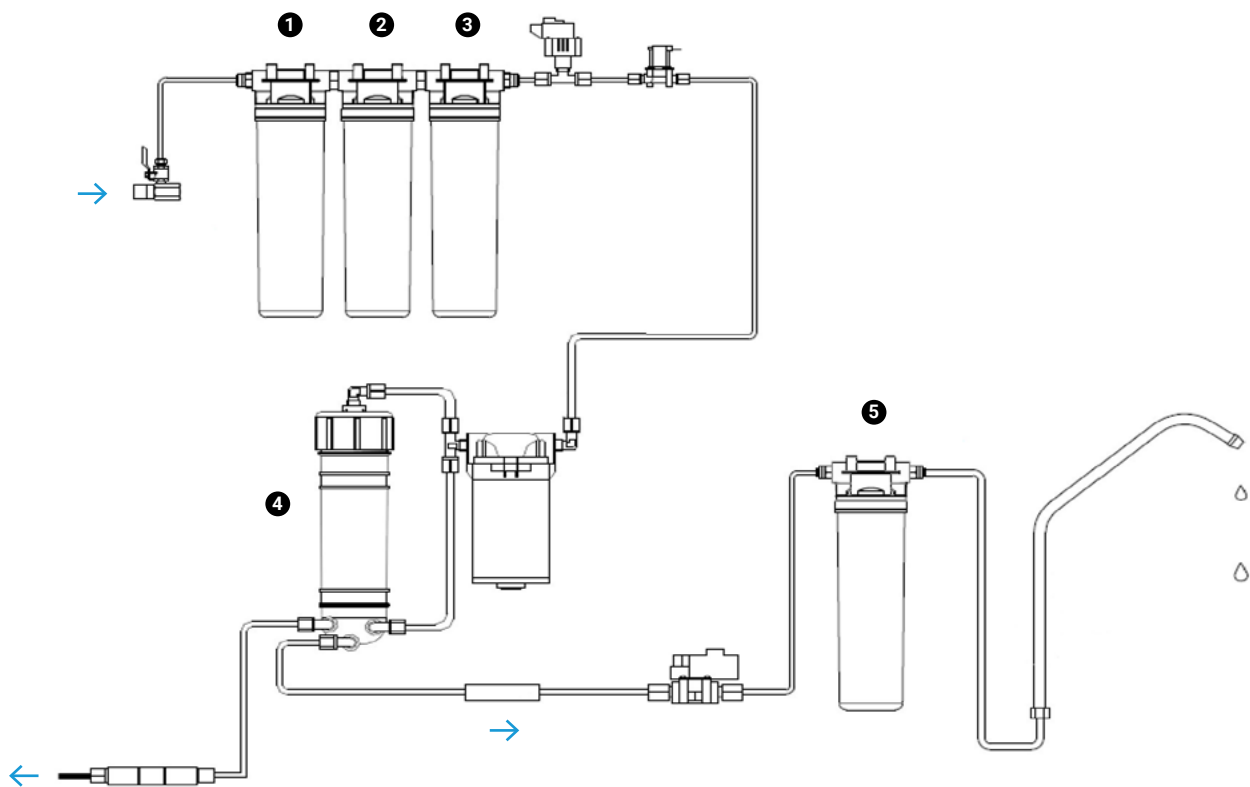
Removal of fine particles.

4. Nanoparticle filter

Reverse osmosis purification mechanism with a porosity filter of $0.0001\mu\text{m}$, effectively removing salts, endotoxins, and heavy metals.

5. Post-filter of activated carbon

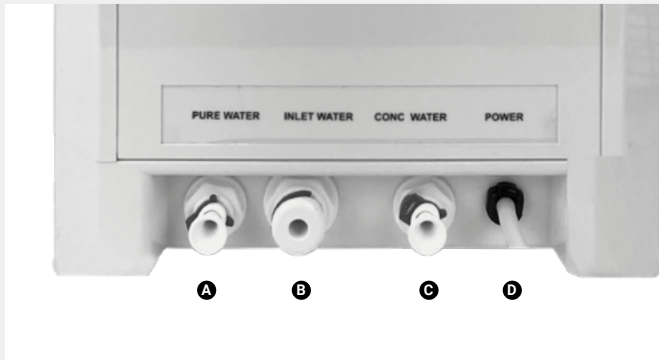
Acidity and flavor adjustment.



Eco-efficient water purifier

INSTALLATION¹

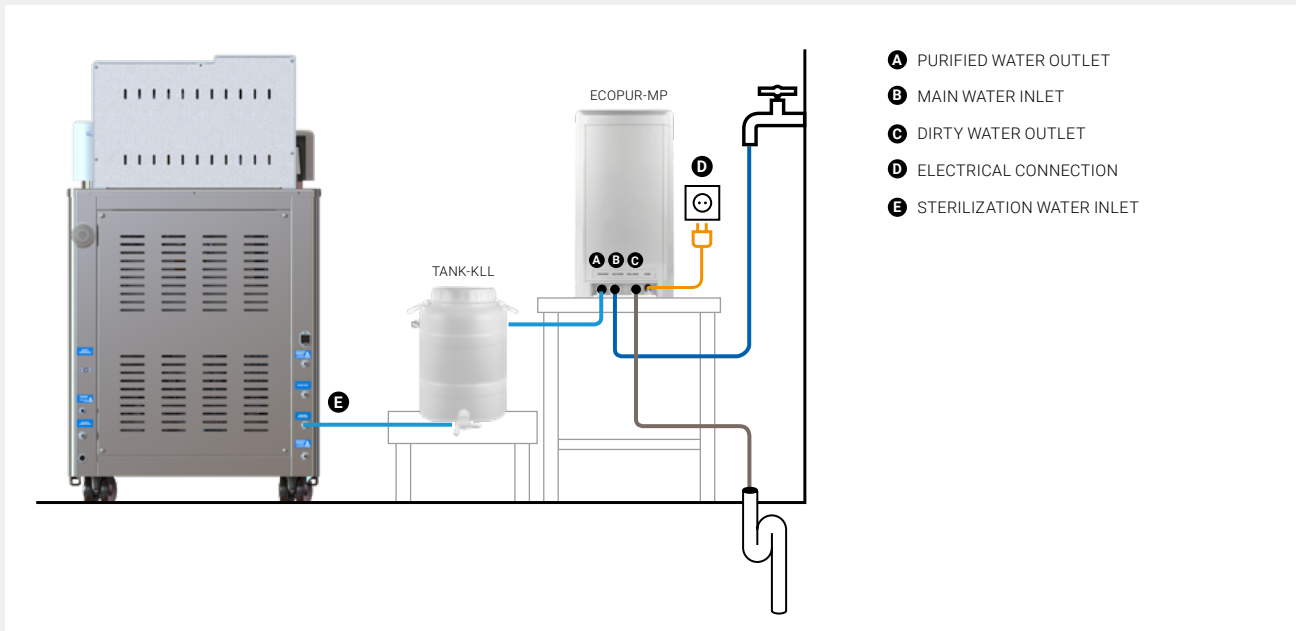
Connections



- A** PURIFIED WATER OUTLET
- B** MAIN WATER INLET
- C** DIRTY WATER OUTLET
- D** ELECTRICAL CONNECTION

Use of the ECOPUR-MP accessory combined with the media preparator

1. The equipment must be connected to the electrical grid.
2. The purifier's mains water inlet should be connected to a non-purified water network² using the supplied hose.
3. From the purified water outlet, the water should be directed to the purified water tank (TANK-KLL) and from there to the media preparator's sterilization water inlet using the supplied hose.
4. The dirty water output from the purifier should be directed to a drain using the supplied hose.



¹ Consult the specific purifier manual before installing this accessory.

² The mains water temperature should not exceed 38°C (100.4°F) or be below 5°C (41°F).

Eco-efficient water purifier

MAINTENANCE

The control panel indicates when maintenance is due and the status of the filters. However, depending on consumption and water quality, it's possible that filter changes may need to be made before the equipment signals it.



Maintenance should be performed exclusively by authorized technical personnel.

Technical data

Reference	ECOPUR-MP
External dimensions L x D x H mm	220 x 425 x 415
Electrical consumption W/h	120
Voltage V	115 - 220
Minimum/Maximum water inlet pressure Bar	1/3,5
Production L/min	1,3
Hardnessmmol/L	0,0125
Purity (TDS) ¹ ppm	0,0005
TDS limit ² ppm	2.000

¹ Water purity can vary based on the quality of the incoming water. For more information, contact our sales team.

² Total limit of dissolved solids (Total Dissolved Solids).

Consumables



FILTER SET FOR ECOPUR-MP
Ref. 70814

Certifications and regulations

- **EN-61010-1** Safety requirements for electrical measuring, control and laboratory use equipment. Part 1: General requirements.
- **EN-612326** Electrical equipment for measurement, control and laboratory use. Electromagnetic compatibility requirements (EMC)
- **2014/35/UE** Low voltage.
- **2014/30/UE** Electromagnetic compatibility.

