



Climate smart water purifier

Features

The Royal Cloud H04 water purifier is a sustainable alternative to plastic bottled water. It produces fresh, potable water directly onboard. The system reduces plastic waste, lowers operating costs, optimises storage capacity, and provides a reliable supply of drinking water for the crew.

Plastic bottles saved per vessel per year

The purifier is rated at 150 GPD (gallons per day) under standard operating conditions. Under typical operating conditions, one unit can replace approximately 5,840 plastic bottles (500 ml) annually.

Actual savings will vary depending on crew size, daily water consumption, and the number of units installed onboard.

Water recovery ratio

The reverse osmosis (RO) system operates with an approximate 1:1 recovery ratio. This means that every 2 litres of feed water produce approximately 1 litre of purified water and 1 litre of reject water.

Recovery rates may vary depending on feed water quality, operating pressure, and other operating conditions.

Specifications

- Product size: 387x462x1385 mm
- Packing size: 490x560x1510 mm
- Hot water tank: 2L
- Cold water tank: 3L
- Pure water tank: 5L
- User-friendly design with a touch panel, a light indicator that monitors working status and a magnetic door
- 5-stage filtration (PP-RO0T33+UV)
- Ultraviolet water sterilizer, effectively killing residual bacteria



Item no. 1464627

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Approved for CE marking complying with EU standards

Conformity

The water purifier passed the test for CE-marking according to the European EMC and LVD Directive, and the below standards recognized as giving presumption of compliance, proving to meet high safety, health, and environmental protection requirements.

CE



Item no. 1464627

Model number	H04 (RO)/H04 (bottle)/H04 (UF)
Item no.	1464627
Feed water	Municipal tap water
Inlet water pressure	0.1MPa ~ 0.4MPa
Voltage and frequency	110/220V, 50/60HZ
Rated power	665W
Heating power	500W
Cooling power	150W
Water production power	150W
Inlet water temperature	5 ~ 38°
Purified water flow	0.4L/min

Proved in conformity with LVD directive 2014/35/EU:

- EN 60335-2-15:2016/A11:2018
- EN 60335-1:2012+A13:2017
- EN 62233:2008

Proved in conformity with EMC directive 2014/30/EU:

- EN 55014-1:2017
- EN 55014-2:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

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Filters

Features

The climate smart water purifier comes with a great 5-stage filtration system with LED UV, removing large particles, organics, chlorine, turbidity, odor, bacteria, dissolved matter etc. from the water, ensuring it is safe to drink.

Filter cartridges			Function
Item no. 1464628	Stage 1	PP spun filter	Removes large suspended particles in water
Item no. 1464629	Stage 2	Block carbon filter	Further removes organics, chlorine, odor, color and turbidity
Item no. 1464630	Stage 3	RO membrane	Removes bacteria, heavy metals, dissolved matters and salinity
Item no. 1464631	Stage 4	Post carbon filter	Adjusts the taste of purified water
Item no. 1464632	Stage 5	LED UV	Treats bacteria
	Temperature option		Hot/Cold

Specifications

- PP spun filter expected life span: 270 hours
- Block carbon filter expected life span: 270 hours
- RO Membrane filter expected life span: 540 hours
- Post carbon filter expected life span: 270 hours



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