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# cintropur<sup>®</sup>

WATERFILTRATION & TREATMENT



## Ultraviolet sterilization

**1000 ECO**

ø 3/4"

**1000**

ø 3/4"

**2000 ECO**

ø 1"

**2000**

ø 1"

**Sterilization**

## GENERAL DESCRIPTION

Thanks to its simplicity and efficiency, water sterilization by UV radiation has developed extensively in the recent years.

UV radiation at 253.7 Nm is part of the solar radiation, and is reproduced artificially. UV radiation thus produced is of much greater intensity than sunlight – therefore suitable for water sterilization.

This particular disinfection method is known as one demolishing legionella, microbes, bacteria, viruses and protozoa, while having no negative impacts on the environment.

This is the ideal method to remove micro-organisms from water, and thus make it potable in terms of bacteriology. Water treated in this way cannot be regarded as of drinking quality unless its chemical properties are compliant to relevant standards.

### APPLICATIONS – ORIGINS OF WATER

- Rainwater:** UV-sterilization of rainwater will allow for a wider range of application and safe use.
- Drilling water, boreholes:** UV-sterilization of well water will prevent any pathogenic contamination.
- Tap water:** UV-sterilization of tap water will ensure premium quality water satisfying even the highest demands.
- Spring water, surface water:** UV-sterilization of such waters will provide constant water quality in terms of bacteriology.
- Water stored in tanks (in caravans, boats, etc.) :** UV-sterilization will preserve the healthiness of water kept in tanks.

### Areas of use

- Residential baths and showers
- Food preparation jobs
- American refrigerators
- Chilled water fountains
- Aquariums
- Rinsing food
- Provision of livestock, e.g. chickens, rabbits, ducks, etc., with drinking water containing no pathogenic micro-organisms



### Advantages:

- Easy installation and use;
- 100% physical disinfection by means of UV sterilization;
- Natural treatment of water without adding chemicals – thus eliminating the risk of overdosing;
- No unpleasant tastes or odours in the water;
- Proven effectiveness against micro-organisms imposing hazard on human health;
- No toxic by-products will develop;
- Reduced need for maintenance.

### CINTROPUR counts off its UV advantages:

- More compact than any other UV-device;
- A built-in flow reducer guarantees optimal treatment;
- A practical maintenance chart for an easier maintenance process;
- Each component of premium quality;
- Professional construction;
- Efficient treatment confirmed by bio-dosimetry tests;
- Capacity range: 1 to 10 m<sup>3</sup>/h;
- Equipment : basic or full option available;
- Possibility of combining UV + mechanical filter and activated carbon.





## TIO-UV ECO

ø 3/4" + 1"



## TIO-UV

ø 3/4" + 1"



## 10000

ø 2"



Patent pending

Ideal  
for the integral  
treatment of  
**rainwater**

### Features and advantages of TIO-UV



An innovative, three-function, compact and attractively priced product.

The three functions of this device are:

#### 1. Filtration

The spiral structure of the filter generates a centrifugal force, which, in a cyclone effect, moves larger particles towards the bottom of the bowl. The remaining contaminants are then subject to fine filtration adaptable to particular needs, with filtering fineness ranging from 5 to 25 microns;

#### 2. Treatment by activated carbon

Treatment by activated carbon removes unpleasant tastes and odours, as well as pesticides and herbicides from the water. Activated carbon is contained in a separate holder for easy replacement. The activated carbon media can easily be replaced by screwing off the top cover;

#### 3. UV sterilization

Sterilization of water by UV radiation on the principle described on the previous page.

The device finds particularly good use in

- the treatment of standard residential supplied water
- complete treatment of rainwater.

### What equipment for UV CINTROPUR?

Equipment/ type	Maintenance follow-up table	Detachable connections	ON/OFF button	UV lamp pilot light	Hour meter	Buzzer
<b>1000 ECO</b>	✓	2x3/4"	-	-	-	-
<b>1000</b>	✓	2x3/4"	✓	✓	✓	✓
<b>2000 ECO</b>	✓	2x1"	-	-	-	-
<b>2000</b>	✓	2x1"	✓	✓	✓	✓
<b>TIO-UV ECO</b>	✓	2x3/4" + 2x1"	-	-	-	-
<b>TIO-UV</b>	✓	2x3/4" + 2x1"	✓	✓	✓	✓
<b>10000</b>	✓	optional	✓	✓	✓	✓

### Easy to use

Leave a clearance of at least the length of the lamp to enable the replacement of the lamp.



Position your CINTROPUR UV-sterilizer at least 50 degree slanting in order to provide sufficient clear space for the replacement of the lamp. (This option is not available at the 10.000)

### Prefiltration prior to any UV-sterilization process:

In order to achieve the optimum UV-sterilization process, the water should be free of any suspended particles.

### Positioning the UV:

In all composite water treatment systems, the UV-sterilizer is always placed as the last station.

### Accessory:

Identical wall mounting is available for each device in the range as an option but is automatically delivered with 10000.

### Easy to maintain

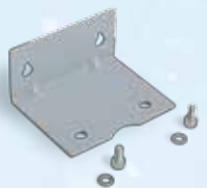
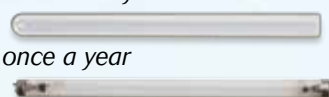
#### NOTE:

Your UV-sterilizer will not function efficiently unless the lamp is replaced once a year. After one year of use, the fact that the lamp is lighting in blue does not mean that your device is functioning efficiently.

To replace:

quartz: once in 5 years

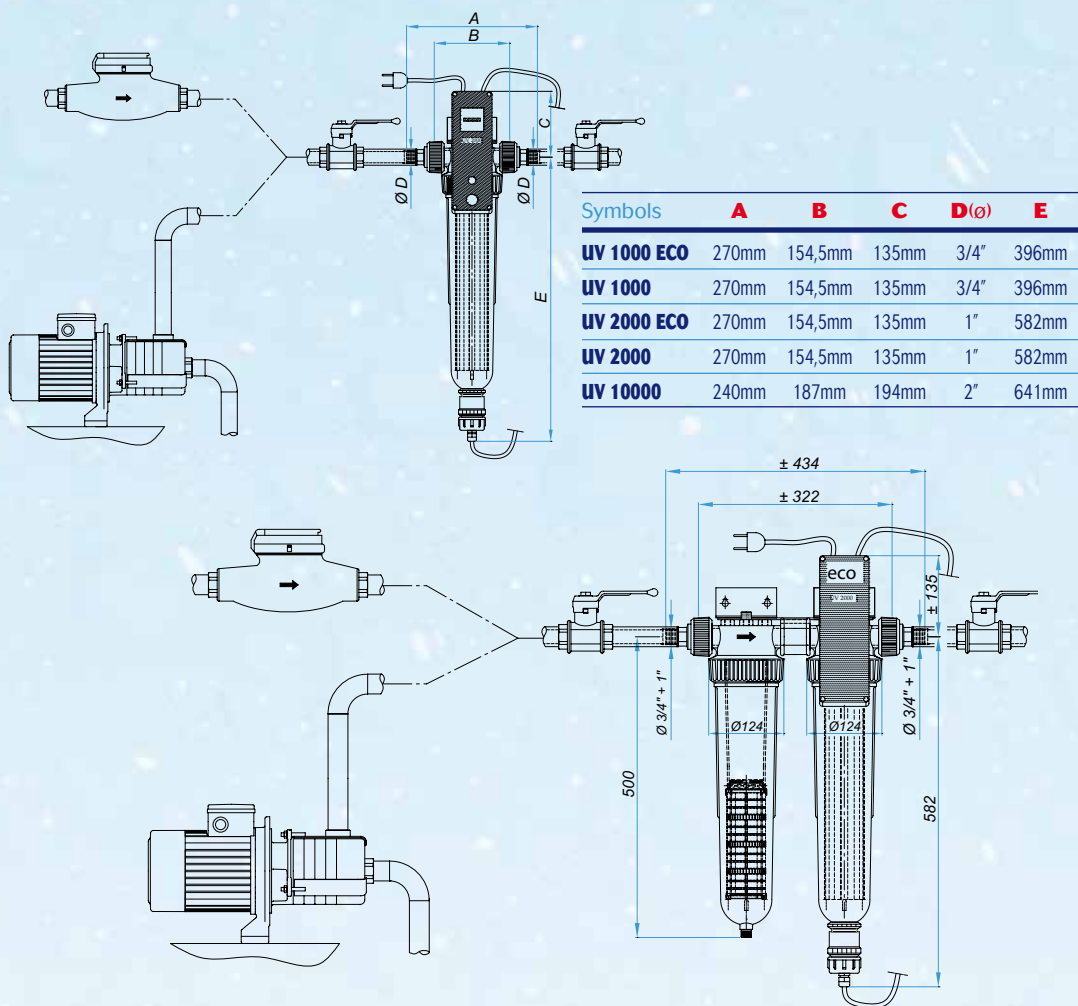
lamp: once a year



## TABLE OF SPECIFICATIONS

Type of filter	1000 ECO	1000	2000 ECO	2000	TIO-UV/ECO	10000
Connection diameter	3/4"	3/4"	1"	1"	3/4" + 1"	2"
Max. flow rate (m <sup>3</sup> /h) at temp. 30°C	1	1	2	2	2	10
Max. working pressure (bar)	16	16	16	16	16	16
Max. temperature	50° C	50° C	50° C	50° C	50° C	50° C
Weight (kg)	3,4	3,7	4,4	4,5	6,4/6,6	9
Water transmission (minimum %)	90	90	90	90	90	90
Lamp power (W)	11	11	25	25	25	95

## INSTALLATION DRAWING



Your distributor



Cintropur® is a product of the AIRWATEC® company

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