cintropur®

WATERFILTRATION & TREATMENT

ULTRAVIOLET STERILIZATION

EN

MONO-UV

2100
Ø ¾”- 1” / 25W

4100
Ø ¾”- 1” / 40W

6100
Ø 1” / 60W

10100
Ø 2” / 95W

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. UVc 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.

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**

AREAS OF USE UV 2100 - UV 4100 (+TRIO)

1. Residential baths and showers
2. Food preparation jobs
3. American refrigerators
4. Chilled water fountains
5. Aquariums
6. Rinsing food
7. Farming, e.g. chickens, rabbits, ducks, etc., with drinking water without pathogenic micro-organisms

APPLICATIONS– ORIGINS OF WATER

1. UV sterilization of rainwater will enable a broader range of applications and ensure safe use.
2. UV sterilization of well water will prevent any pathogenic contamination, ensuring its safety.
3. UV sterilization of tap water guarantees the highest quality, meeting premium standards and satisfying the most discerning demands.
4. Spring water and surface water can benefit significantly from UV sterilization, ensuring consistent water quality in terms of bacteriology.
5. UV sterilization is essential for maintaining the healthiness of water stored in tanks, such as those in caravans and boats.

DUO-UV

2100
Ø ¾"- 1" / 25W

2100
Ø ¾"- 1" / 25W

4100
Ø ¾"- 1" / 40W

UV - ADVANTAGES:

- **More compact than any other UV-device**
- **Each component of premium quality**
- **The treatment's effectiveness, supported by biodosimetry tests**
- **Flow rate from 1 to 7 m³/h**
- **Equipment : basic or full option available**
- **Possibility of combining UV + mechanical filter and activated carbon**

PREFILTRATION PRIOR TO ANY UV-STERILIZATION PROCESS:

To achieve optimal UV sterilization, the water should be prefiltered to remove any suspended particles.

THE ONLY TRIOS WHICH ...

... FILTER

The spiral structure of thefilter creates centrifugal force,inducing a cyclone effect that directs larger particles towards the bottom of the bowl. The remaining contaminants undergo fine filtration, customizable to specific requirements, with filtering capacities ranging from 5 to 25 microns.

... PURIFY

The use of activated carbon in treatment eliminates unpleasant tastes and odors, as well as pesticides and herbicides from the water. The activated carbon is housed in a separate container for convenient replacement. Replacing the activated carbon media is simple; just unscrew the top cover.

... STERILISE

UV-C water sterilization ensures the bacteria-free quality of water, making it particularly suitable for full treatment of rainwater.

INNOVATIVE & ECOLOGICAL PRODUCT

QUALITY MADE IN BELGIUM

THE BEST CHOICE FOR YOUR WATER

LESS WASTE

BIO-DOSIMETRY cintropur TEST APPROVED

TRIO-UV

6100
Ø 1” / 60W

1x / 2 Years

Ideal for rainwater

10100
Ø 2” / 95W

1x / 2 Years

AREAS OF USE
UV 6100 - UV 10100

1. Cultural and sports facilities
2. Horeca (stands for Hotel/Restaurant/Café)
3. Industrial breeding
4. Apartment buildings
5. Community spaces

POSITIONING THE UV DEVICE:

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

EASY TO USE:

When handling the device to replace the lamp,
rotating the UV by only 5° will be enough to remove the
UV lamp and replace it with a new one.

Service

NOTE

Your UV-sterilizer don't run efficiently over time unless the lamp is replaced as recommended below. Beyond the delay, the lamp is still lighting in blue but it does not mean that your device is working efficiently.

	Frequency	Designation	Model
#1	**1x / Year**	**Lamp** Mercury	**UV 2100 - UV 4100**
#2	**1x / 2 Years**	**Lamp** Amalgam	**UV 6100 - UV 10100**
#3	**1x / 5 Years**	**Quartz**	**for all UV sterilizers**

TABLE OF SPECIFICATIONS

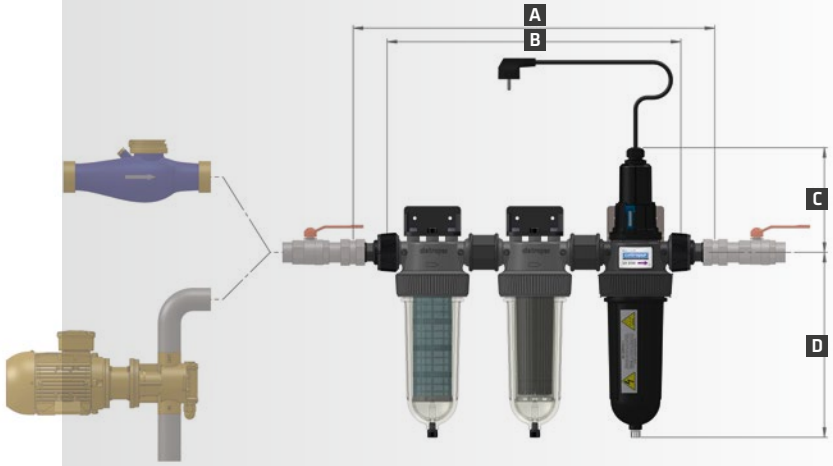
UV 2100 / UV 4100 / DUO-UV
TRIO-UV 2100 / TRIO-UV 4100

	UV 2100	UV 4100	DUO-UV	TRIO-UV 2100	TRIO-UV 4100
Connection diameter	3/4" + 1"	3/4" + 1"	3/4" + 1"	3/4" + 1"	3/4" + 1"
Max. flow rate (m^3/h) **at 25 mJ/cm²**	1,7	2,1	1,7	2*	2,6*[1]
Max. working pressure (bar)	16	16	16	16	16
Max. temperature (°C)	50	50	50	50	50
Weight (kg)	1,7	1,7	2,8	4,3	4,3
Water transmission (% minimal)	90	90	90	90	90
Lamp power (W)	25	40	25	25	40

* ΔP = 0,5 bar

*[1] ΔP = 0,8 bar

INSTALLATION DRAWING



	UV 2100	UV 4100	DUO-UV	TRIO-UV 2100	TRIO-UV 4100
A (mm)	270	270	435	610	610
B (mm)	154,5	154,5	320	487	487
C (mm)	178	178	178	178	178
D (mm)	314	314	314	314	314

TABLE OF SPECIFICATIONS

UV 6100 / UV 10100
TRIO-UV 6100 / TRIO-UV 10100

	UV 6100	UV 10100	TRIO-UV 6100	TRIO-UV 10100
Connection diameter	1"	2"	1"	2"
Max. flow rate (m^3/h) **at 25 mJ/cm²**	5,5	6,8	3,5*	5,5*
Max. working pressure (bar)	16	16	16	16
Max. temperature (°C)	50	50	50	50
Weight (kg)	6	9,3	10,7	29,3
Water transmission (% minimal)	90	90	90	90
Lamp power (W)	60	95	60	95

* ΔP = 0,8 bar

INSTALLATION DRAWING

	UV 6100	UV 10100	TRIO-UV 6100	TRIO-UV 10100
A (mm)	284	445	665	1068
B (mm)	169	252	553	876
C (mm)	162	196	162	196
D (mm)	527	601	524	601