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 premium disinfection method is recognised for its environmentally friendly elimination of legionella, microbes, bacteria, viruses and protozoa.
This is the ideal method to remove micro-organisms from water, and thus make it potable in terms of bacteriology
This water will only be considered potable if the chemical parameters are also checked and approved.

ADVANTAGES:

- **Easy to install and use**
- **100% physical disinfection using UV's**
- **Natural water treatment with no chemical products added and thus no risk of overdosing**
- **No unpleasant taste or smell in the water**
- **Proven efficiency against human pathogenic micro-organisms**
- **No toxic by-products generated**
- **Lower maintenance**

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

1. General household supplies: baths and showers
2. Food preparation
3. American refrigerators
4. Chilled water coolers
5. Aquariums
6. Washing food
7. Livestock: chickens, rabbits, ducks, etc. for drinking water free from potentially pathogenic micro-organisms

APPLICATIONS– ORIGINS OF WATER

1. Rainwater: this treatment will extend the range of applications with greater safety of use.
2. Borehole and well water: to prevent pathogenic contamination.
3. Mains water: to make sure that water quality meets expectations when it does not meet quality criteria.
4. Spring and surface water: to ensure a constant bacteriological quality.
5. Water stored in tanks (caravans, boats, etc.): for sanitary use of water once it has been stored.

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

a cyclonic effect generated by the centrifugal vane, precipitating large particles into the bottom of the bowl, and followed by fine filtration using a sleeve that can be adapted to your needs, between 5 and 25 µm, to clear the water of all particles in suspension.

... PURIFY

The use of activated carbon to treat the water against unpleasant tastes and odours, as well as pesticides and herbicides. A container for the activated carbon has been developed so that it can be reused. The user can easily replace the activated carbon by unscrewing the removable top cover.

... STERILISE

UV-c sterilisation to ensure the bacteriological quality of the water. It is particularly suitable for the complete 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 livestock farming
4. Apartment buildings
5. Community areas
6. Agriculture
7. The industry in general

POSITIONING THE UV DEVICE:

In any line of water treatment equipment, the UV steriliser will always come last.

EASY TO USE:

When changing the lamp, simply rotate the UV unit by 5° to remove and change the UV lamp.





Service

NOTE

Your UV steriliser will only remain efficient over time if the lamp is changed as recommended below. Once the period of use has expired, the continued blue radiation from the lamp is no longer an indicator that your device is working properly.

	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**



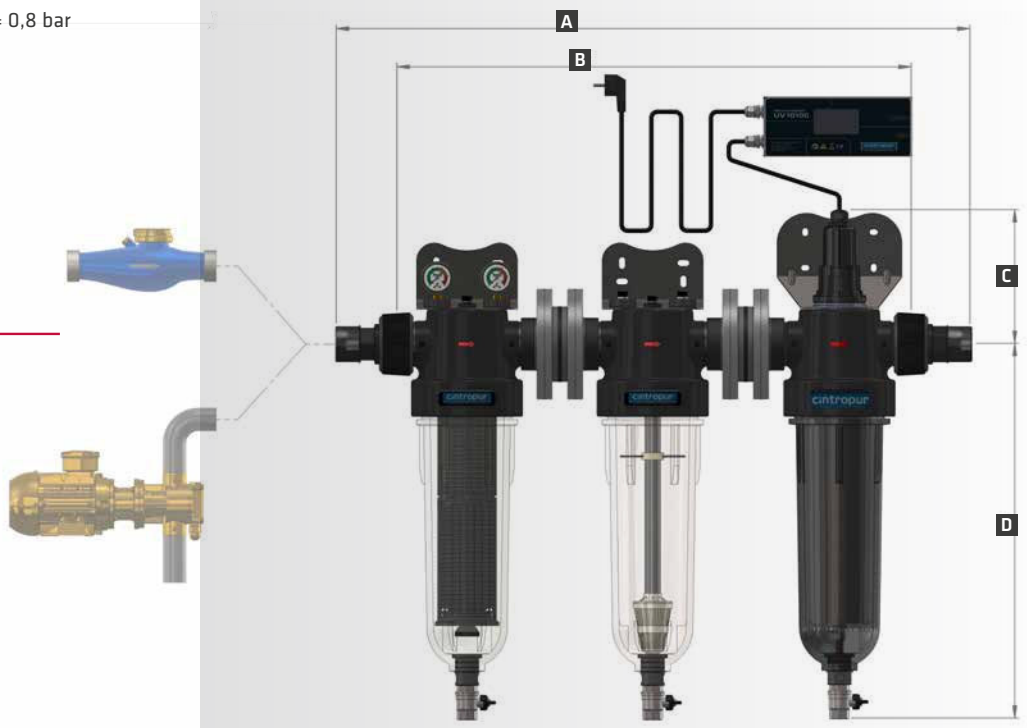
TABLE OF SPECIFICATIONS

UV 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	527	601

TABLE OF SPECIFICATIONS

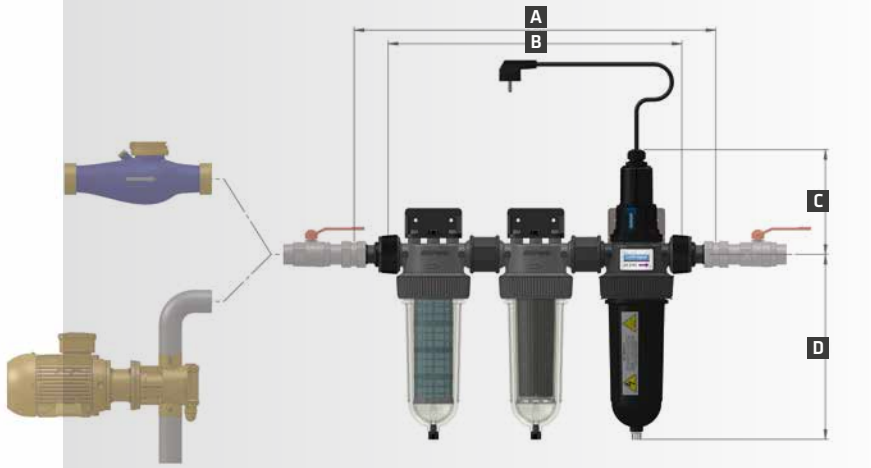
UV 2100 / UV 4100 / DUO-UV
TRIO-UV 2100 / TRIO-UV 4100

	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