



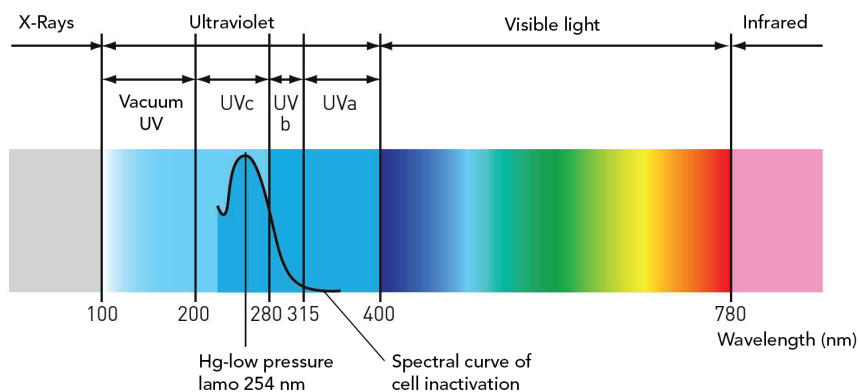
UVC GENERATORS UVEO RANGE

COMAP

UVC TREATMENT

The Uveo range comprises systems that act against microorganisms that may accidentally exist in drinking water, such as bacteria, viruses, fungi or mould.

The treatment principle is based on UVC properties. UVC kill both germs and bacteria. Any living cell can be destroyed by UVC radiation on a wavelength of 253.7 nm. Our systems thus contain a lamp that radiates on this wavelength. In France, the recommended exposure dose in drinking water must be greater than 25 mJ/cm². Our Uveo systems meet the requirements of the French Ministry of Health circular of 19/01/87.



ADVANTAGES

Without any chemical substances, UVC continuously destroys the DNA and RNA of the micro-organisms and viruses present in the water.

- UVC conserves the organoleptic, physical and chemical properties of the water.
- The unit can be installed on any type of system, with no risk of damaging pipes or other systems installed.
- Little maintenance is required (change the lamp once per year).

OPERATING PRINCIPLE OF THE GENERATOR

The units are designed in two parts: the treatment chamber and the electrical module. The water passing through the treatment chamber is subjected to the UVC radiation from the lamp, which is isolated from the water by a quartz sheath. The water delivered by the unit is bacteriologically clean. Unlike other treatments, UVC disinfection is very effective and offers the advantage of not involving any chemical treatment of the water.

APPLICATION FIELDS

Enhancement of drinking water quality
Recycled water treatment (rain water, drill or well water)



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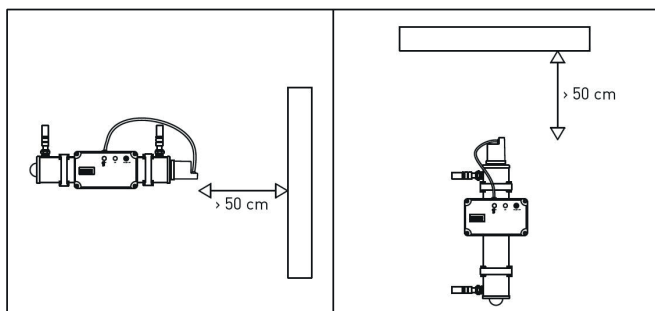
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CARACTÉRISTIQUES TECHNIQUES

- Power supply required 230 V - 50 Hz + earth.
- Case in 304 L stainless steel.
- Low pressure UVC lamp.
- Electronic ballast.
- Lamp should be changed once per year (every 9000 hours of operation).
- Fuse: F. 5 x 20 T 500 mA T.
- Pure silica quartz.
- EPDM and silicone seals.
- Water pressure: 2 to 5 bars (max.). (install a pressure reducer if pressure of water pressure exceeds 5 bars.)
- Module mounted on chamber (lower footprint).
- Package dimensions: 609 x 462 x 203 mm.
- Lamp operation indicator

STANDARD INSTALLATION

- The water can transit in either direction (inlet and outlet are the same) and the unit can be installed vertically or horizontally.
- The electrical module is mounted on the chamber.
- Chamber mounted by two brackets.
- Allow 50 cm clearance to change the lamp (above or on the side of the unit, depending on the installation).



MAINTENANCE

- The UVC generator quartz tube should be regularly cleaned - see the servicing/maintenance instructions.
 - The lamp must be changed every 9000 hours (on the time meter).
- The unit will not work properly if this is not done.

AVOID PERSONAL EXPOSURE TO THE LAMP UVC RADIATION.

GUARANTEE

Three years parts and labour - excluding consumable items and transport.

OPTIONS

For even safer treatment, the following options are available:

- a UVC cell that monitors lamp radiation,
- an alarm/output, 4-20 mA,
- a motorized valve that cuts off the water supply in the event of an electricity failure or defective lamp radiation (dirty quartz or old lamp).

SPARE PARTS

Part P/N	Reference
36 W lamp	543092
56 W lamp	543093
96 W lamp	Q122003001
Quartz sheath with seal	543099
Quartz seal	Q516006001
Quartz cleaner	Q516005001

Reference	Lamp power (W)	Inlet / outlet dia.	Max. flow rate (m3/h)	Spacing (mm)	Chamber dimensions (dia. x l) (mm)	Case dimensions (l x h x p)	Cell as standard	Output 4-20 mA	Audio alarm
Q211006001	36	3/4 " M Gaz	2	400	94 X 600	190 x 120 x 80	No	No	No
Q211007001	55	3/4 " M Gaz	3	400		190 x 120 x 80	No		
Q211008001	96	1" 1/4 M Gaz	5	385		190 x 160 x 105	No		
Q211004001	36	3/4 " M Gaz	2	400		190 x 160 x 105	Yes		
Q211005001	55	3/4 " M Gaz	3	400		190 x 160 x 105	Yes	Yes	Yes
Q211009001	96	1" 1/4 M Gaz	5	385		190 x 160 x 105	Yes	Yes	Yes