COMAP
WTI

bio-rain

TREATMENT OF RECOVERED WATER (RAIN, BOREHOLE OR WELL WATER)

REFERENCE Q211 003 001

TREATMENT AND UTILISATION of recovered water

Recovering rain water is being widely adopted. Especially as it is encouraged by the French authorities in the act of 21st august 2008, and also by Europe, through directive 200/60/EC.

The installation of this type of system is perfect when building a new house, as the water system needs to be doubled, or a disconnection system is required, in accordance with the act of 21st august 2008.

Recovered water can thus be used in the secondary system, resulting in significant savings on everyday household consumption: toilet, washing machine, housework, swimming pool, watering the garden, etc.

OPERATING PRINCIPLE

The water collected in your tank is transferred from the tank to your Bio-rain system.

It is filtered a first time by a washable filter. This filter traps all matter in suspension exceeding 90 µm.

The water then passes through a micro-porous (active carbon) filter, which filters out all impurities bigger than 10 µm and gets rid of unpleasant smells through an absorption process. Thus micro-pollution particles exceeding 10 µm are trapped by this cartridge.

Finally, the UVCs perform their antibacteria function. They continuously kill the NDA and NRA of the micro-organisms and viruses present in the water, without using chemical substances.

COMAP WTI

bio-rain

TREATMENT OF RECOVERED WATER (RAIN, BOREHOLE OR WELL WATER)

REFERENCE Q211 003 001

TECHNICAL CHARACTERISTICS

- ¾" inlet and outlet connections.
- Power supply required 230 V - 50 Hz + earth.
- Fuse: F. 5x20 T 1 A.
- UVC lamp power: 36 W.
- Water temperature: 5 to 20 °C.
- Ambient temperature: 5 to 35 °C.
- Water pressure: 2 to 5 bars (max. - install a pressure reducing valve if water pressure exceeds 5 bars).
- Max. treatment rate: 2 m³/h.
- Preliminary filter: 90 µm.
- Main filter: 10 µm.

STANDARD INSTALLATION

The Bio-rain kit can be installed on any standard rainwater recovery system:

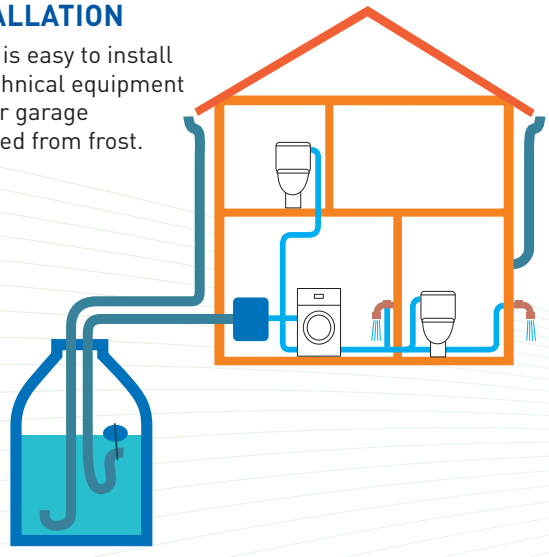
- upstream of a new secondary system, isolated from the drinkable public water supply system,
- downstream of a compressor, as specified in the act of 21st august 2008.

Dimensions: L 540 mm x H 600 mm x D 280 mm.

Allow 50 cm of unobstructed space around the system, to change the lamp annually (every 9000 hrs).

INSTALLATION

The kit is easy to install in a technical equipment room or garage protected from frost.



MAINTENANCE

- Clean the UVC generator quartz tube regularly – consult the servicing/maintenance manual.
- Change the lamps every 9000 hours (on the time meter) - this is essential, if it is not done, the system will not work properly.
- Every 3 months, wash the 90 µm filter cartridge.
- Every 3 months, change the 10 µm filter cartridge.

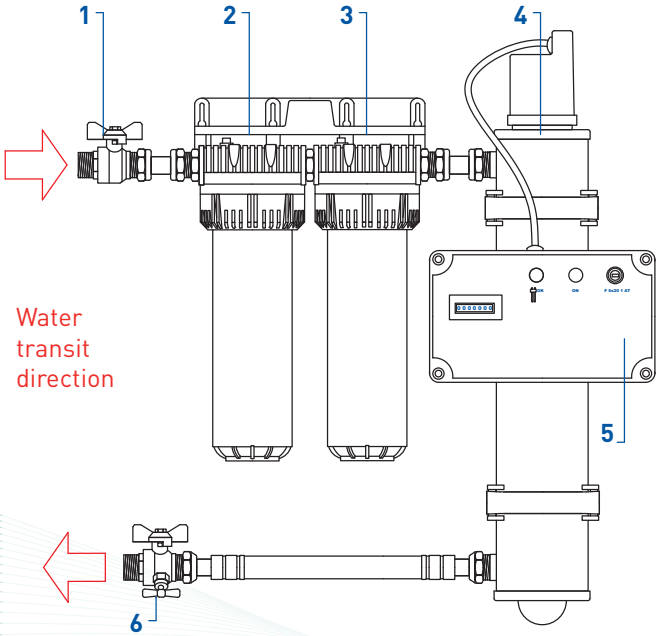
- Never expose yourself to UVC lamp radiation.

GUARANTEE

Three years, parts and labour, except for consumable items and transport.

Spare parts

Part	Part number
36 W lamp	543092
90 µm filter cartridge	527309
10 µm filter cartridge	527809
Quartz sheath with seal	543099
Quartz seal	RI500072
	RI610087
Cleaner quartz	Q516005001



1 Inlet valve.
2 Preliminary filter.
3 Filter and active carbon.
4 UVc treatment.
5 Electrical unit.
6 Drain.

COMAP WTI ZI LES PETITS CHAMPS - 26120 MONTÉLIER - FRANCE
E-mail : comapwti@comap.fr - Website : www.comapwti.fr
Customer support: Tel. (33) 04 75 85 28 11 - Fax (33) 04 75 85 42 62
COMAP SA 16, avenue Paul Santy - BP 8211 - 69355 LYON Cedex 08

conception graphique : www.impressions-modernes.fr Imprim'Vert