

BWT RO₃UV

UV & OZON DISINFECTION SYSTEM

HYGIENE MANAGEMENT FOR
ROOF TOP TANKS AND WATER
STORAGE TANKS

BWT RO₃UV

THE NEW GERM BARRIER FOR ROOF TANKS

Hygiene Management on a high level



Every domestic or commercial property has different varieties and sizes of water storage tanks – some located on the rooftop, others in the basement with one in common: the importance of hygiene. Despite regular cleaning intervals, did you know there may be hygiene gaps and obviously clean water could become a health hazard like any other food? Life-threatening infections are the risk of drinking or even just inhaling water while showering or brushing teeth contaminated with pathogens or bacteria.

What happens in a Roof top tank? Three factors can cause problems

Formerly clean water becomes unable for drinking. Dangerous germs, such as legionella can multiply themselves over time and the water transports them to the PoU.

1 STAGNATION

Particles that are carried with the water settle in the tank. A perfect breeding ground for microorganism. Additionally the water gets in the tank enough time to take the germs in and transport them to the point of use.

2 DEPOSITS

Additionally the tanks are never completely closed. Over the tank breathing the water gets contaminated by airborne pollution and even insects.

3 HEAT

The tanks are in full sun light, so that the water is just heated up enough to provide perfect conditions for bacterial growth.

- Hygiene Management for roof top tanks and water storage tanks in general
- To protect water against contamination during storage by combining two different treatment methods: UV & Ozone
- Reliable and automatic, operation – 24/7 safe water for your home
- RO₃UV is maintenance-free – only annual service needed
- Versatile – improves also water quality issues like colour or odour

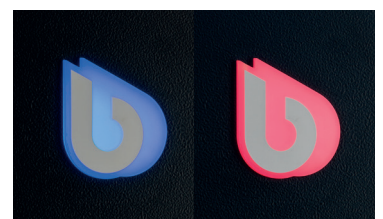


RO₃UV combines two different water treatment methods

UV safely disinfects the water while passing the unit, the subsequently injected ozone is dragged along and continues the job in tank and pipe. This way, not only the stored water but also the installation is kept free of any microbiological growth. In line with our company philosophy the process works completely free of chemicals: An Ultra Violet System (UV) purifies the water in the most natural way like the sun. Furthermore, RO₃UV generates Ozone just from ambient air. Ozone decomposes back to oxygen after having fulfilled its task quickly and efficiently.



Type Bewades RO ₃ UV		10	25	50
Nominal connection width	DN	40	40	40
Max. flow over system				
Quick status feedback via the color of the illuminated BWT drop	m ³ /h	2	5	10
General amount of ozone	mg O ₃ /h	400	1000	2000
Max. operating pressure	bar		10	
Expected lamp service life*	h		12,000	
Connection power	W	250	180	250
Number of UV lamps		1	1	1



RELIABLE AND EASY

RO₃UV works automatically and unattended and provides you 24/7 with safe and healthy water for your home – and that basically maintenance free: only an annual service is needed. In operation the status of the unit is shown at a quick glance by the color of the illuminated BWT drop.

Ask your local dealer for further information

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