

ABOX[®] UV- systems

For the recirculating aquaculture systems



Chemical-free water treatment

ABOX[®] UV systems

UV reactor material off
stainless steel

Water disinfection for fresh and salt water



UV reactor material off
PE HD

UV-C light for better water quality

- ✓ Germicidal treatment results of bacteria, viruses and yeasts within seconds
 - ✓ Efficient disinfection performance in fish farming, aquaculture and fisheries
 - ✓ Energy-efficient and low-maintenance UV systems
-
- ✓ Aquaculture and fish farming
 - ✓ Agriculture and animal breeding
 - ✓ Process water of the beverage and food industry

The technology in recirculation systems

Odor-free and chemical free water treatment is requested

Physically and mechanically active procedures

Water treatment is the base for a well-performing aquaculture in recirculation systems (RAS). The combination of water treatment modules with filtration, biological procedures and UV treatment keeps the general germ density low. Therefore, breeder animals are less prone to illnesses.



We deliver you with the safety of the dose-oriented and energy-optimized ABOX® UV systems for your plant design.

Project-specific UV systems

According to application in reactor or canal, fresh or salt water:

UV disinfection - application of ozone-free UV lamps

Inactivation of microorganisms at wavelength 254 nm UV dose value according to microbiology or application

UV disinfection / UV oxidation - application of ozone-generating UV lamps

Generation of ozone by UV irradiation

Photolytic cleavage of oxygen with downstream side reaction UV wavelength at approximately 190 nm

The result

Circulating water with an acceptable load of micro-biological pollution



Thanks to the craftsmanship of food manufacturers - a wonderful food is created

