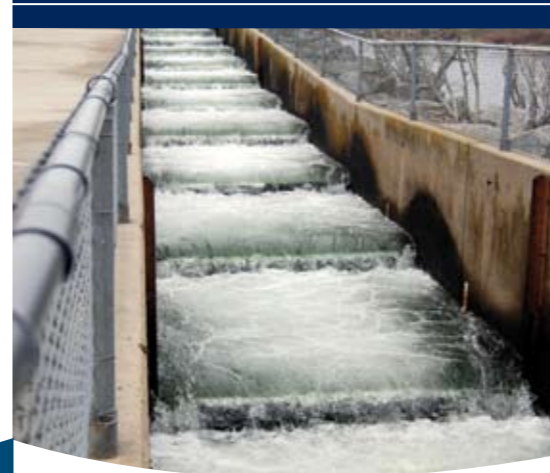


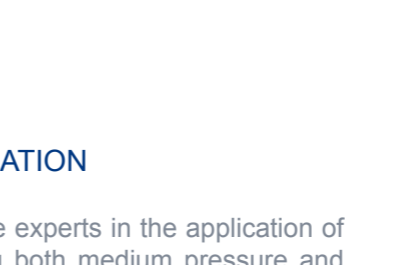


## AQUACULTURE

Ultraviolet Technology for Aquaculture & Fish Farming

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Wigan  
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United Kingdom





ATG UV TECHNOLOGY ARE MARKET LEADERS IN THE CUSTOM DESIGN, PRODUCTION, INSTALLATION AND MAINTENANCE OF ULTRAVIOLET TREATMENT SYSTEMS FOR A RANGE OF APPLICATIONS.

## CLEAN, SAFE & HIGHLY EFFECTIVE

atg UV's state-of-the-art Ultraviolet technology ensures effective disinfection without the use of harmful chemicals.



With over twenty five years of industry experience **atg UV Technology** are market leaders, whose state-of-the-art UV product range has provided a vast range of industries with advanced technology solutions for a variety of applications worldwide.

The use of **atg UV Technology** Ultraviolet disinfection systems in fish farms, mussel farms, aquariums and hatcheries has lead to the production of healthier

and larger fish, improved water quality, possible increases in stock density and vastly reduces the risk of disease.

**atg UV Technology's** disinfection systems are chemical free, automatic and cannot be overdosed, therefore maintaining the physical characteristics of the water such as PH levels and temperature whilst avoiding the introduction of harmful toxins such as chlorine into the environment.



## DESIGN & SPECIFICATION

**atg UV Technology** are experts in the application of Ultraviolet light, offering both medium pressure and low pressure amalgam lamp technologies, allowing for tailored and cost efficient solutions for a variety of aquaculture applications.

Flexible designs ensure **atg UV** can provide advanced technology solutions for both new installations and retrofits of existing units, in a range of difficult and challenging environments.

Additionally **atg UV's** manufacturing experience allows for systems to be designed and manufactured for use within Zone 1 and Zone 2 hazardous areas.

## QUALITY ASSURANCE

**atg UV's** attitude to design and manufacture is driven by a 'quality first' approach. As an ISO 9001 company you can be assured all **atg UV** products are consistently built to the highest standards.

## WHY USE ULTRAVIOLET

Ultraviolet disinfection is non selective in the destruction of all waterborne bacteria, pathogens, viruses and micro-organisms. Organisms responsible for fish diseases that are treatable using state-of-the-art **atg UV Technology** disinfection systems are:

- \* Whirling disease
- \* Viral Nervous Necrosis (VNN)
- \* Ulcerative Dermal Necrosis (UDN)
- \* Ichthyophthirius (white spot disease)
- \* Infectious Salmon Anaemia (ISA)
- \* Flavo Bacterium
- \* Saprolegenia (fungal disease)
- \* Viral haemorrhagic septicaemia (VHS)
- \* Proliferative Kidney Disease (PKD)
- \* Vibrio Anguillarum

**FISH FARMS** | Market pressures has lead to a demand for more wholesome, chemical and antibiotic free products; In order to stay competitive more intensive farming and greater yields are needed. **atg UV's** disinfection systems are used worldwide to prevent infection and disease.



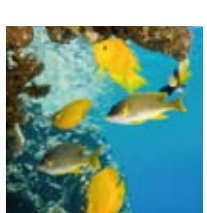
**HATCHERIES** | Egg production and fry growth are critical applications for Ultraviolet disinfection. Successful production, improved yields and reduced mortality are all benefits of installing an **atg UV technology** disinfection system, whilst avoiding the spread of infection and disease.



**SHELLFISH PRODUCTION** | Shrimp/prawn, crab and lobster production utilises large volumes of water in holding tanks, rinse water and process water. UV disinfection is critical to these production applications to avoid contamination without the need of harsh chemical disinfectants.



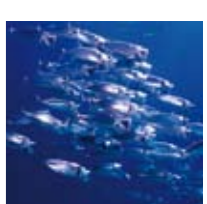
**AQUARIUMS & ZOOS** | Traditional Ozone systems are being replaced with next generation UV technology systems due to the vast benefits UV technology offers. Additionally UV can be used in any application from aquariums and wash water to large open sea lion pools and water features.



**AQUATIC LABORATORIES** | Many aquatic laboratories rely on UV treatment to ensure their process water remains pathogen free. Additionally Ultraviolet disinfection is used to ensure effluent discharges are environmentally safe and do not become a source of contamination.



**MAKE UP WATER** | During emptying and venting of sterile holding tanks, airborne bacteria can enter the vessel. UV units designed to fit into the head space are ideal in reducing this potential means of infection, reducing the risk of costly production down time.



**BLOOD WATER & DISCHARGES** | Fish farms are often located in close proximity. Effluent discharges from one farm poses a significant threat of contamination to another. **atg UV's** systems are proven to provide an effective barrier against harmful micro-organisms, while **atg UV's** leading wiper design allows for disinfection of waste water.



# Determined to succeed together

