

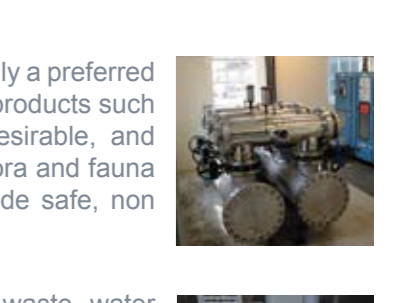
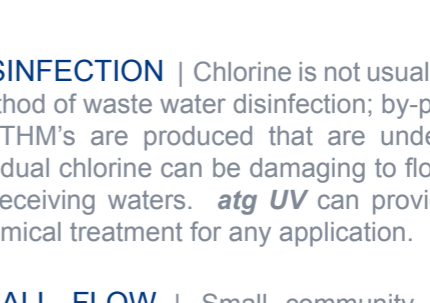
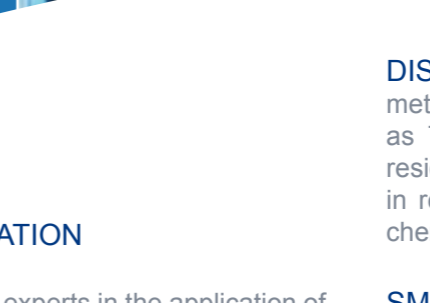


WASTE WATER TREATMENT

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UV Technology for Waste Water Treatment & Water Reclamation

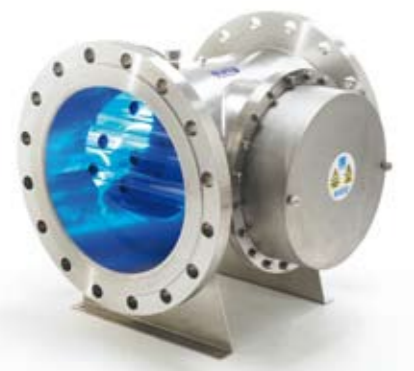




ATG UV TECHNOLOGY ARE MARKET LEADERS IN THE CUSTOM DESIGN, PRODUCTION, INSTALLATION AND MAINTENANCE OF ULTRAVIOLET TREATMENT SYSTEMS FOR A RANGE OF APPLICATIONS.

HIGH OUTPUT & SMALL FOOTPRINT

UV technology avoids the use of chemicals helping to maintain the natural & sensitive balance of ecosystems worldwide.



atg UV Technology, pioneers in the design and engineering of Ultraviolet treatment systems have seen great success with their range of compact, closed chamber, UV disinfection systems for the treatment of waste water. The advanced range of UV systems has successfully treated a wide range of fluids in many different industries and have been installed on traditional and specialist waste water treatment works worldwide. Other applications include

final effluent treatment on cruise ships and offshore installations, and control of harmful organisms from laboratory waste water prior to discharge.

As climate change and growing environmental awareness drives waste water standards and water re-use initiatives, UV disinfection is fast becoming a "must have" treatment on many waste water streams.



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 effluent waste water 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

atg UV's attitude to design and manufacture is driven by a 'quality first' approach. As an ISO 9001 registered company you can be assured all *atg UV* products are consistently built to the highest standards. From demanding downhole injection applications on offshore platforms that use copper nickel chambers, use on vessels, to industrial and municipal disinfection of water and waste water, *atg UV technology* are the best choice for quality and reliability.

MARKET LEADING WIPER

Our wipers use embedded pulse technology ; a simple and robust method of controlling wiper actuation. However the waste water process is configured, *atg UV* has a solution that fits; continuous gravity flow or sequenced batch reactor; secondary or tertiary oxidation ditch or simply filtered, our systems can easily be installed to provide reliable disinfection with low headloss.

DISINFECTION | Chlorine is not usually a preferred method of waste water disinfection; by-products such as THM's are produced that are undesirable, and residual chlorine can be damaging to flora and fauna in receiving waters. *atg UV* can provide safe, non chemical treatment for any application.



SMALL FLOW | Small community waste water systems are usually packaged and our closed chamber systems are easily retrofitted. *atg UV Technology's* vast experience allows for the design and engineering of systems designed to perform over a wide range of waste water parameters.



LARGE FLOW | Historically systems utilised open flow gravity channels; these suffer from poor hydraulics, high headloss and are prone to photo repair. Large flows can now be disinfected in the pipe using UV Technology. Applications such as Aquifer Storage and Recovery rely on permanent disinfection, and often specify in-pipe Ultraviolet systems.



INDUSTRIAL RECLAIM | Increasing water scarcity will encourage more reuse and reclamation of waste water. Waste water dischargers now use Ultraviolet disinfection to recover and reclaim the water and reuse it for a wide variety of applications. *atg UV* have supplied numerous systems for this process.



RECOVERY & REUSE | The *atg UV* ADVoX advanced oxidation process allows for the treatment of waste water containing toxic and non-biodegradable contaminants, such as EDC's or PCPP's. Once treated, waste water can be safely discharged into the environment, or reused.



GREY WATER | *atg UV Technology* have provided specialist systems to bring contaminated factory/ process effluent waste water to within accepted micro-biological limits for safe discharge into the environment, or safe water reuse for applications such as crop irrigation and wash down water.



SMALL FOOTPRINT | *atg UV's* leading compact closed system design provides the waste water industry with a range of trenchless Ultraviolet disinfection systems offering a high output within a low footprint allowing for ease of installation and maintenance.



Determined to succeed together

