

# ULTRAAQUA PRODUCT LINE

UV DISINFECTION EFFICIENT AND CHEMICAL-FREE WATER TREATMENT



**ULTRAAQUA**  
UV DISINFECTION SYSTEMS

WE PROTECT YOUR MOST VALUABLE RESOURCE

# UV SYSTEM SELECTION

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## COMPANY HISTORY

**ULTRAAQUA IS AN INTERNATIONAL MANUFACTURER OF ADVANCED UV WATER DISINFECTION SYSTEMS FOR A WIDE RANGE OF WATER TREATMENT APPLICATIONS.**

The company was founded in 1996 by two Danish scientists, with the mission of solving the increasing global water safety challenges, by combining extensive research, innovation, and technology. Today, more than 10.000 UV disinfection systems have been supplied worldwide, to help create a more sustainable world.

ULTRAAQUA operates through a carefully selected partner network, with activity in more than 120 countries. The partner network has been key to the success of ULTRAAQUA, making it possible to deliver cutting-edge UV disinfection systems across the globe.

Continuous research and innovation activities have made it possible to maintain the position of delivering cutting-edge solutions to clients with diverse requirements in different applications.

Global experience combined with advanced knowledge of dealing with varying customer requirements, ensures an optimal solution to accommodate every client. Combined with a dedicated support experience, a streamlined operational process is guaranteed.

The validity, experience, and trustworthiness are proven through our wide range of acquired certificates, patents, and trademarks.

**ULTRAAQUA**  
UV DISINFECTION SYSTEMS

# TECHNOLOGY OVERVIEW & VALIDATIONS

THE UV SYSTEMS FROM ULTRAAQUA HAS UNDERGONE EXTENSIVE TESTING AND PASSED THE WORLD'S MOST RIGOROUS TESTS FOR VALIDATION AND APPROVAL BY RECOGNIZED LEADING CERTIFICATE PROVIDERS.

This means that reliable and thoroughly tested solutions are guaranteed.

## ÖNORM M 5873-1

The SSV Drinking Water Series has been validated by the internationally recognized Austrian standard – **ÖNORM M 5873-1**. This allows the SSV series to offer ultimate security for drinking water disinfection.



The **DVGW certification** assures that critical technical requirements are met regarding hygiene, safety, and general functionality. DVGW is an unbiased technical-scientific association based in Germany, specialized in gas and water industries.

## AMS

The **AMS (Analog Mixed Signal) verification** ensures that the electronic components are compliant with the latest industry-standard, allowing smooth and quick signal transmission among the electrical components used in data tracking and storage.



The **ETV-EU verification** is a third-party validation of new innovative environmental technologies, ensuring product credibility for the buyer.



The **NIPH (Norwegian Institute of Public Health) type approval** ensures that all UV disinfection units meets the requirements for UV dosage. The approval means that ULTRAAQUA is able to distribute selected UV systems in Norway and The Faroe Islands.



The **Norwegian Veterinary Institute (NVI)** is the national leading center of expertise in biosecurity for fish and land animals. The ULTRABARRIER™ series has been officially approved by the NVI for intake water disinfection in the Norwegian aquaculture industry.

**ULTRAAQUA**  
UV DISINFECTION SYSTEMS



## CORE BENEFITS OF UV

**UV TECHNOLOGY IS A GLOBALLY ACCEPTED SOLUTION FOR WATER DISINFECTION, EFFECTIVELY INACTIVATING BACTERIA, VIRUSES, AND PROTOZOA.**

The demand for cost-efficient solutions to provide clean water are at an all-time high and will only increase in the future. UV disinfection solves this complex challenge, being able to meet the strictest requirements regarding bacteria and virus protection.

Due to recent developments, UV disinfection is now an effective alternative in a wide range of water qualities and applications. Improved technological and design configurations has made UV a viable OPEX and CAPEX solution for disinfection processes as well as in more advanced applications such as AOP processes.

Choosing UV as the disinfection method ensures optimal CAPEX and OPEX compared to its alternatives, making UV the best solution for a wide range of installations.

ULTRAAQUA UV disinfection systems are easy to install, maintain and thoroughly cost-optimized. The third-party approvals for performance and quality ensures complete peace of mind, employing the best available solution for complete biosecurity.

**ULTRAAQUA**  
UV DISINFECTION SYSTEMS

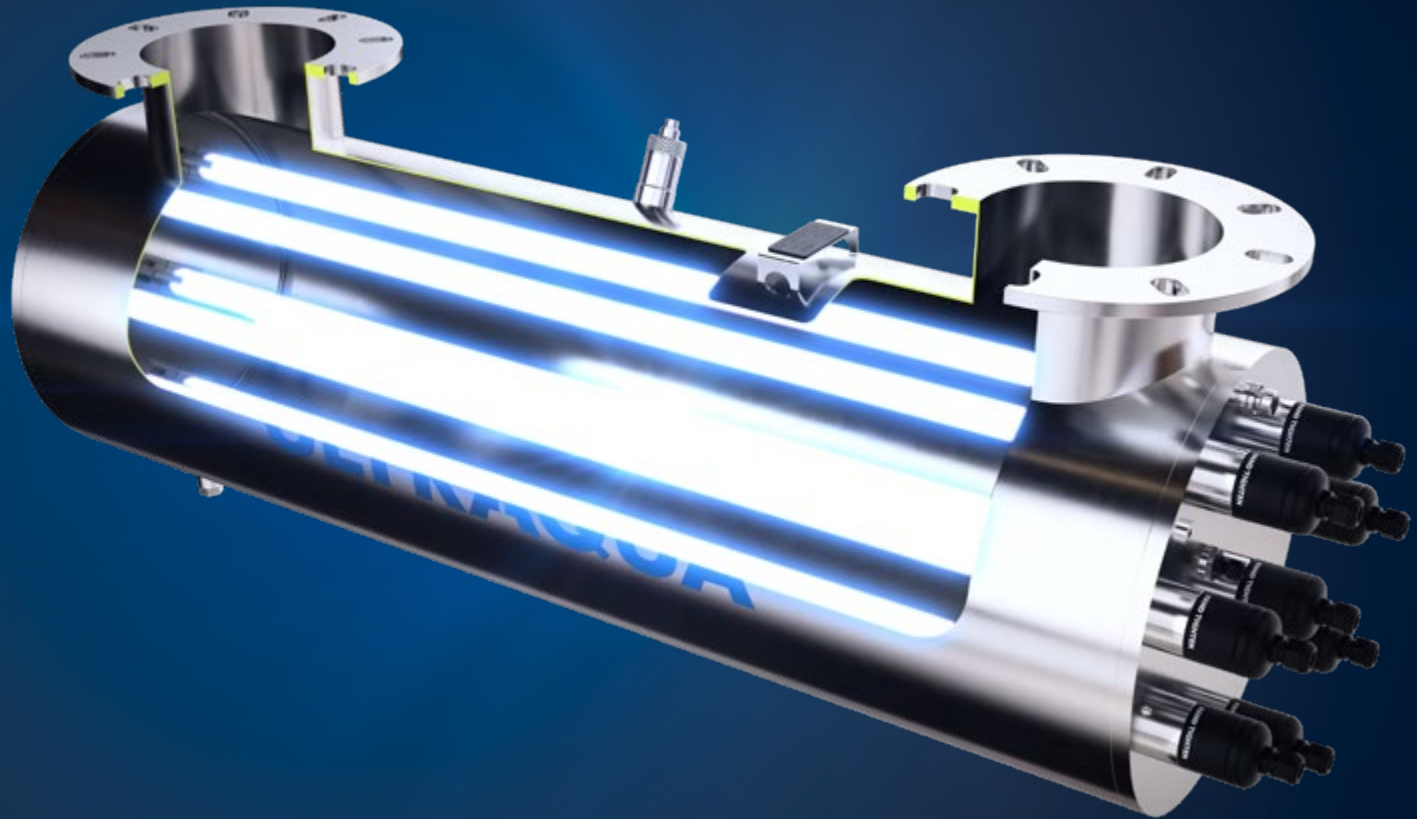
## MONORAY™ SERIES

THE MONORAY SERIES OFFERS RELIABLE AND EFFICIENT UV DISINFECTION FOR A WIDE RANGE OF INDUSTRIAL AND MUNICIPAL WATER APPLICATIONS.

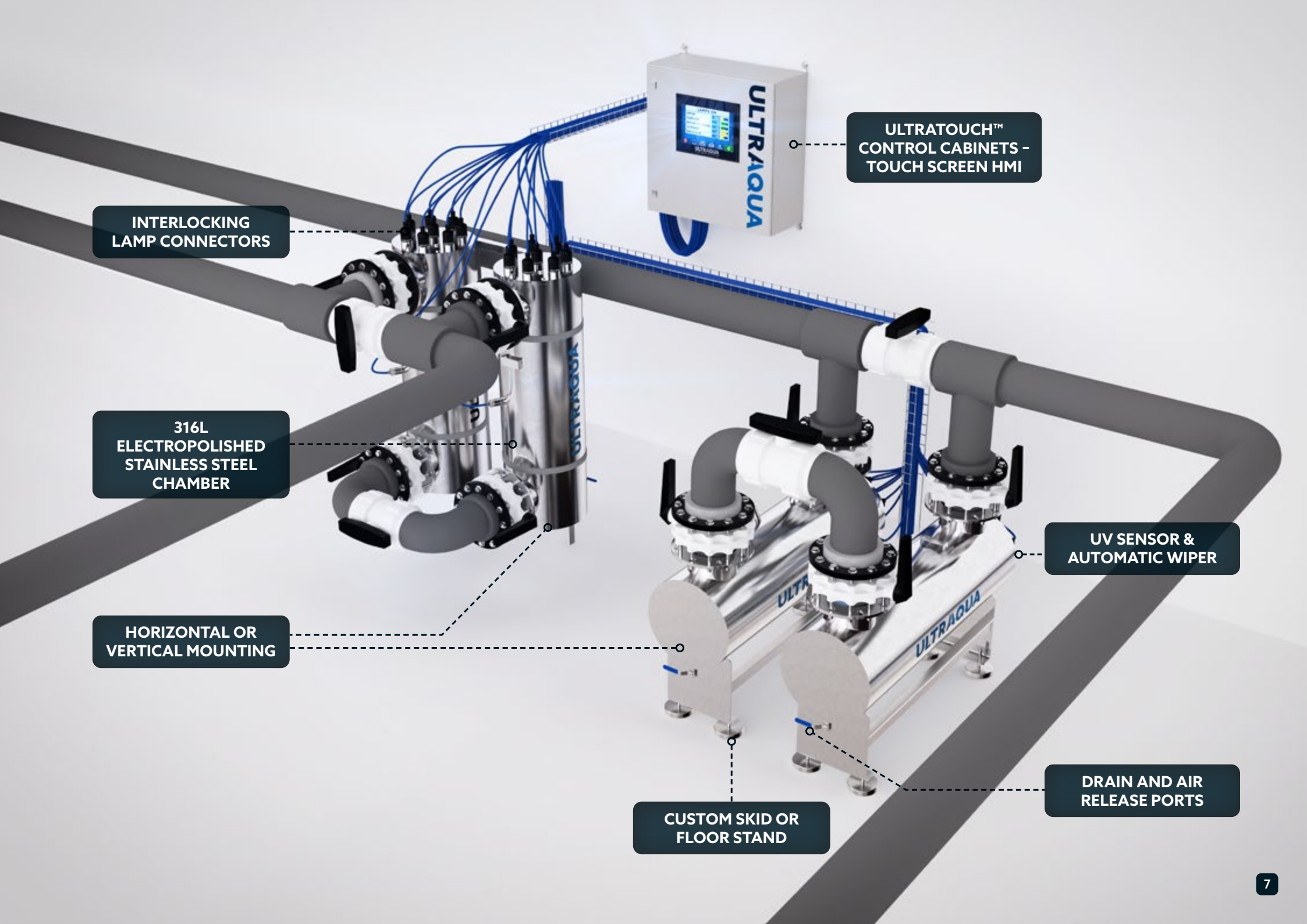
THE MONORAY IS AVAILABLE IN MULTIPLE CONFIGURATIONS AND CAN BE FITTED FOR ALMOST ANY FLOWRATE FOR ALMOST ANY APPLICATION REQUIRING CHEMICAL FREE UV DISINFECTION.

### KEY HIGHLIGHTS

- ⚡ Guaranteed 16,000-hour ULTRATHERM™ lamp lifetime
- ⚡ Optimized for maximum efficiency
- ⚡ Easy maintenance and installation
- ⚡ Easily integrated in complex environments
- ⚡ Complete control with ULTRATOUCH™ control cabinets
- ⚡ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚡ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**ULTRATOUGH™  
CONTROL CABINETS -  
TOUCH SCREEN HMI**

**INTERLOCKING  
LAMP CONNECTORS**

**316L  
ELECTROPOLISHED  
STAINLESS STEEL  
CHAMBER**

**HORIZONTAL OR  
VERTICAL MOUNTING**

**UV SENSOR &  
AUTOMATIC WIPER**

**CUSTOM SKID OR  
FLOOR STAND**

**DRAIN AND AIR  
RELEASE PORTS**

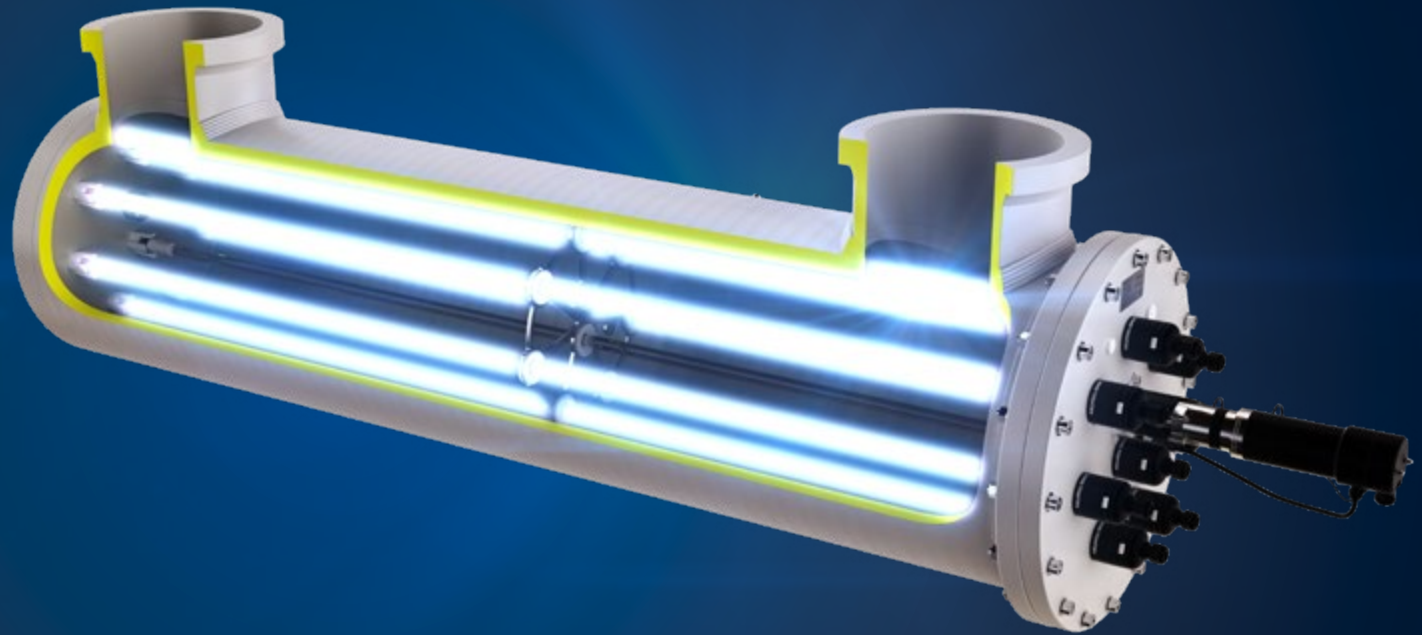
# NON-CORROSIVE PP/PEHD SERIES

THE PP/PEHD SERIES IS DEVELOPED SPECIFICALLY FOR HARSH CORROSIVE ENVIRONMENTS.

THE MATERIAL ENSURES OPERATIONAL EXCELLENCE ACROSS SEVERAL APPLICATIONS, DUE TO ITS EXCEPTIONAL DURABILITY, TEMPERATURE RESISTANCE AND PRESSURE RESISTANCE, BEING ABLE TO WITHSTAND THE MOST CORROSIVE ENVIRONMENTS AROUND THE GLOBE.

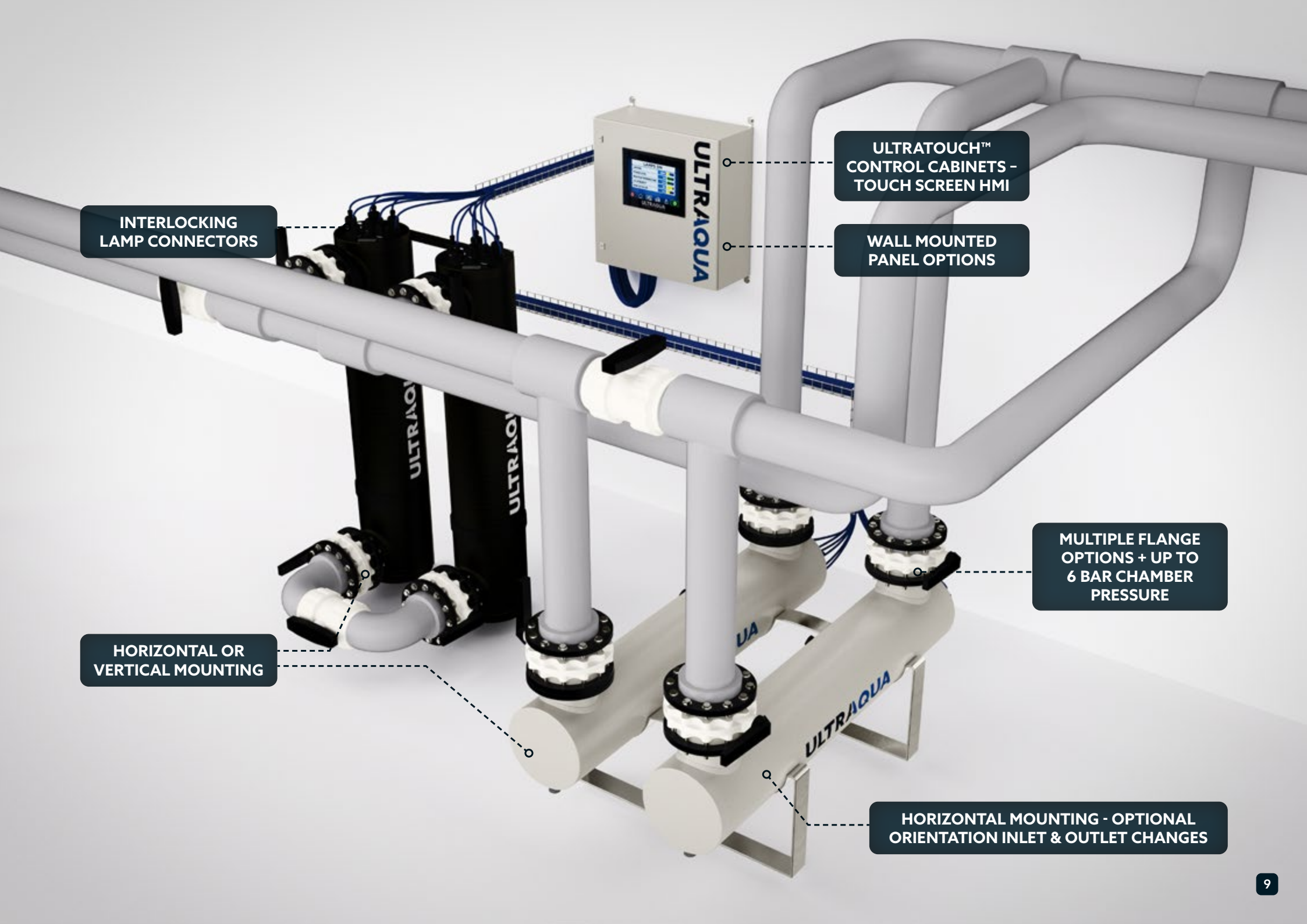
## KEY HIGHLIGHTS

- ⚡ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
- ⚡ Optimized for maximum efficiency
- ⚡ Easy maintenance and installation
- ⚡ Complete control with ULTRATOUCH™ control cabinets
- ⚡ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚡ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY





**INTERLOCKING  
LAMP CONNECTORS**

**ULTRATOUGH™  
CONTROL CABINETS -  
TOUCH SCREEN HMI**

**WALL MOUNTED  
PANEL OPTIONS**

**MULTIPLE FLANGE  
OPTIONS + UP TO  
6 BAR CHAMBER  
PRESSURE**

**HORIZONTAL OR  
VERTICAL MOUNTING**

**HORIZONTAL MOUNTING - OPTIONAL  
ORIENTATION INLET & OUTLET CHANGES**

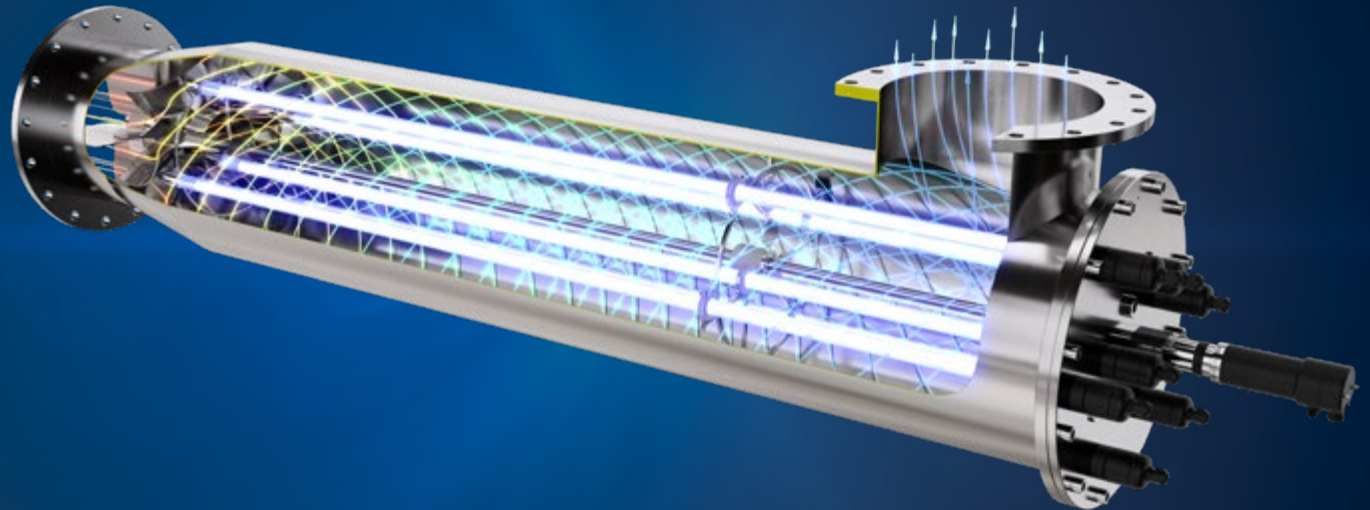
# SSV DRINKING WATER SERIES

THE SSV DRINKING WATER UV SYSTEM PRODUCT RANGE FEATURES THE WORLDS MOST ADVANCED AND EFFICIENT UV DISINFECTION TECHNOLOGY.

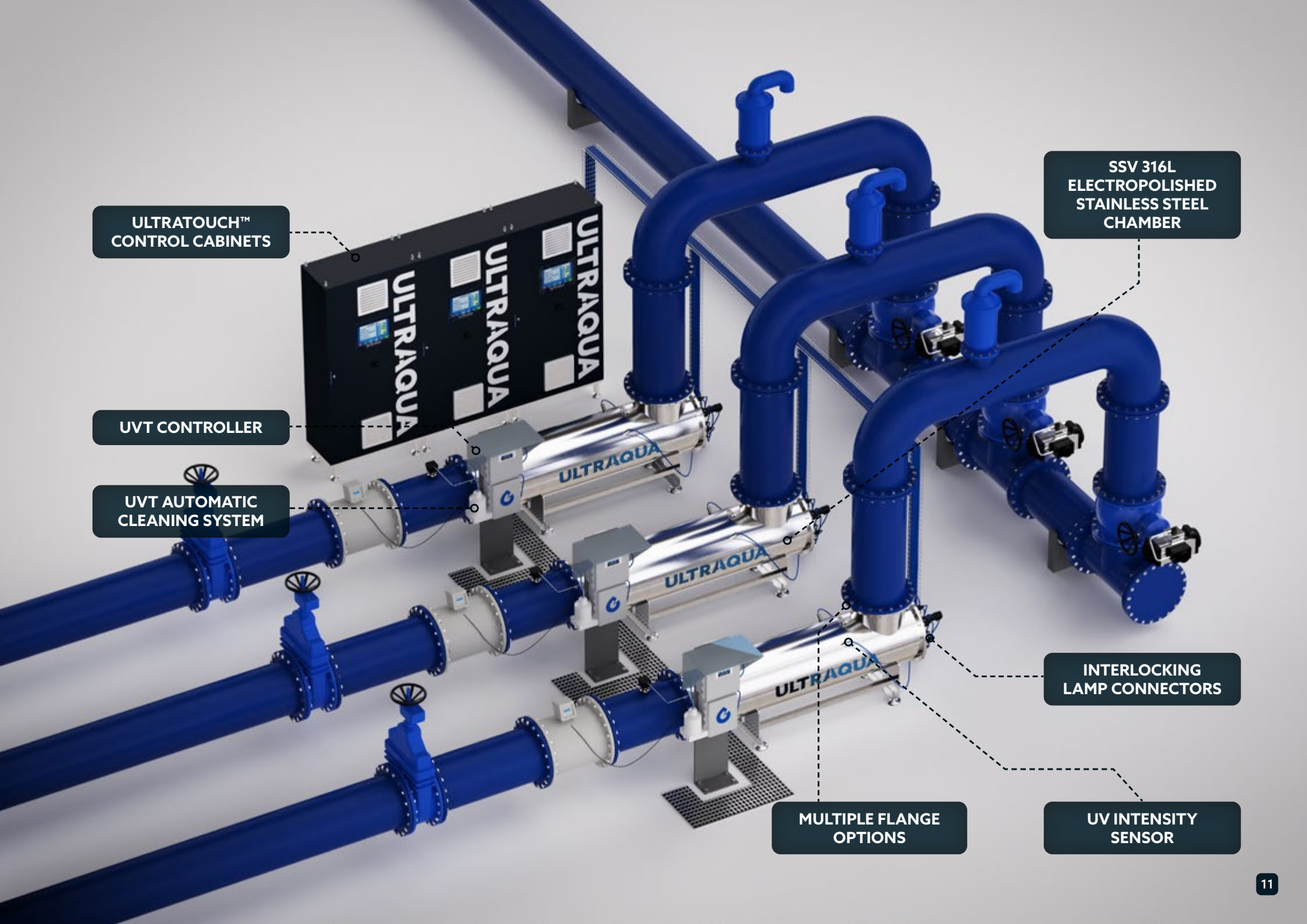
THE SERIES OFFERS DISINFECTION PERFORMANCES CAPABLE OF MORE THAN 4 LOG WITH FLOW CAPACITIES RANGING FROM 1 M<sup>3</sup>/HR TO OVER 4000 M<sup>3</sup>/HR.

## KEY HIGHLIGHTS

- ❏ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
- ❏ Complete control with ULTRATOUCH™ control cabinets
- ❏ The world's most efficient ÖNORM validated UV disinfection system
- ❏ SWIRLFLOW™ technology enabling an optimized 90% hydraulic efficiency at all water qualities.
- ❏ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ❏ Easy maintenance and installation
- ❏ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**ULTRATOUCH™  
CONTROL CABINETS**

**UVT CONTROLLER**

**UVT AUTOMATIC  
CLEANING SYSTEM**

**SSV 316L  
ELECTROPOLISHED  
STAINLESS STEEL  
CHAMBER**

**INTERLOCKING  
LAMP CONNECTORS**

**MULTIPLE FLANGE  
OPTIONS**

**UV INTENSITY  
SENSOR**

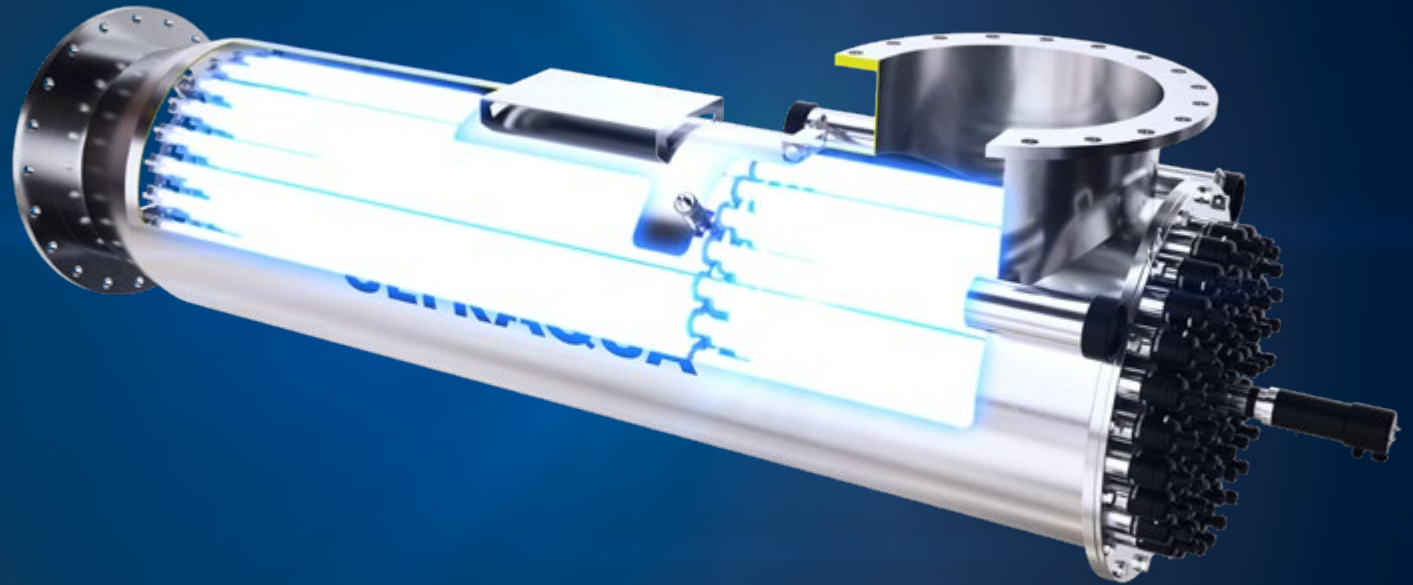
## ULTRABARRIER™ SERIES

THE ULTRABARRIER SERIES IS DEVELOPED SPECIFICALLY FOR EXCELLENT INTAKE WATER UV DISINFECTION IN THE AQUACULTURE INDUSTRY.

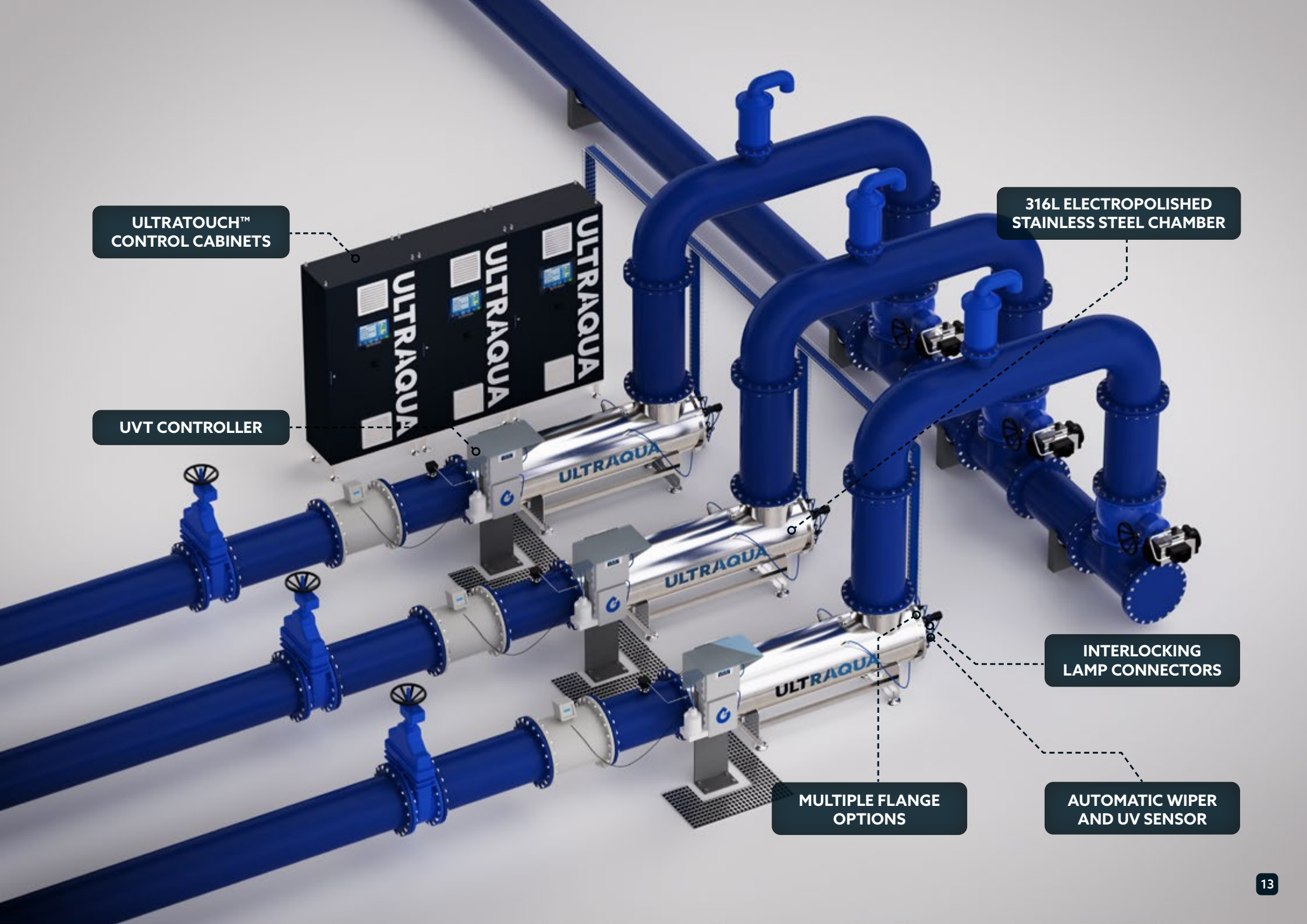
BEING AVAILABLE IN BOTH STAINLESS STEEL (SS) AND POLYPROPYLENE (PP), THE ULTRABARRIER ENSURES DISINFECTION EXCELLENCE ACROSS SEVERAL APPLICATIONS, TO AVOID ANY HARMFUL MICROORGANISMS ENTERING THE PRODUCTION.

### KEY HIGHLIGHTS

- ⚡ Approved by the Norwegian Veterinary Institute (NVI)
- ⚡ Optimized for maximum efficiency
- ⚡ Easy maintenance and installation
- ⚡ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
- ⚡ Complete control with ULTRATOUCH™ control cabinets
- ⚡ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚡ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**ULTRATOUCH™  
CONTROL CABINETS**

**UVT CONTROLLER**

**316L ELECTROPOLISHED  
STAINLESS STEEL CHAMBER**

**INTERLOCKING  
LAMP CONNECTORS**

**MULTIPLE FLANGE  
OPTIONS**

**AUTOMATIC WIPER  
AND UV SENSOR**

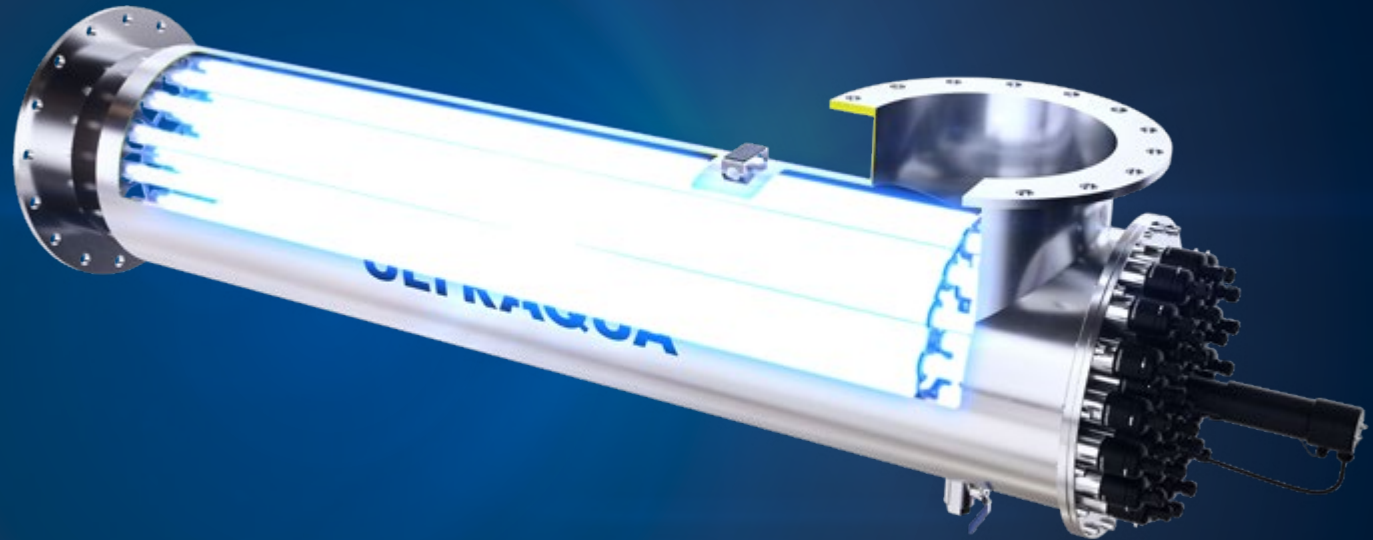
## LUVT LOW UVT SERIES

THE LUVT SYSTEM SERIES PROVIDES EXCELLENT UV DISINFECTION FOR APPLICATIONS IN LOW UVT ENVIRONMENTS.

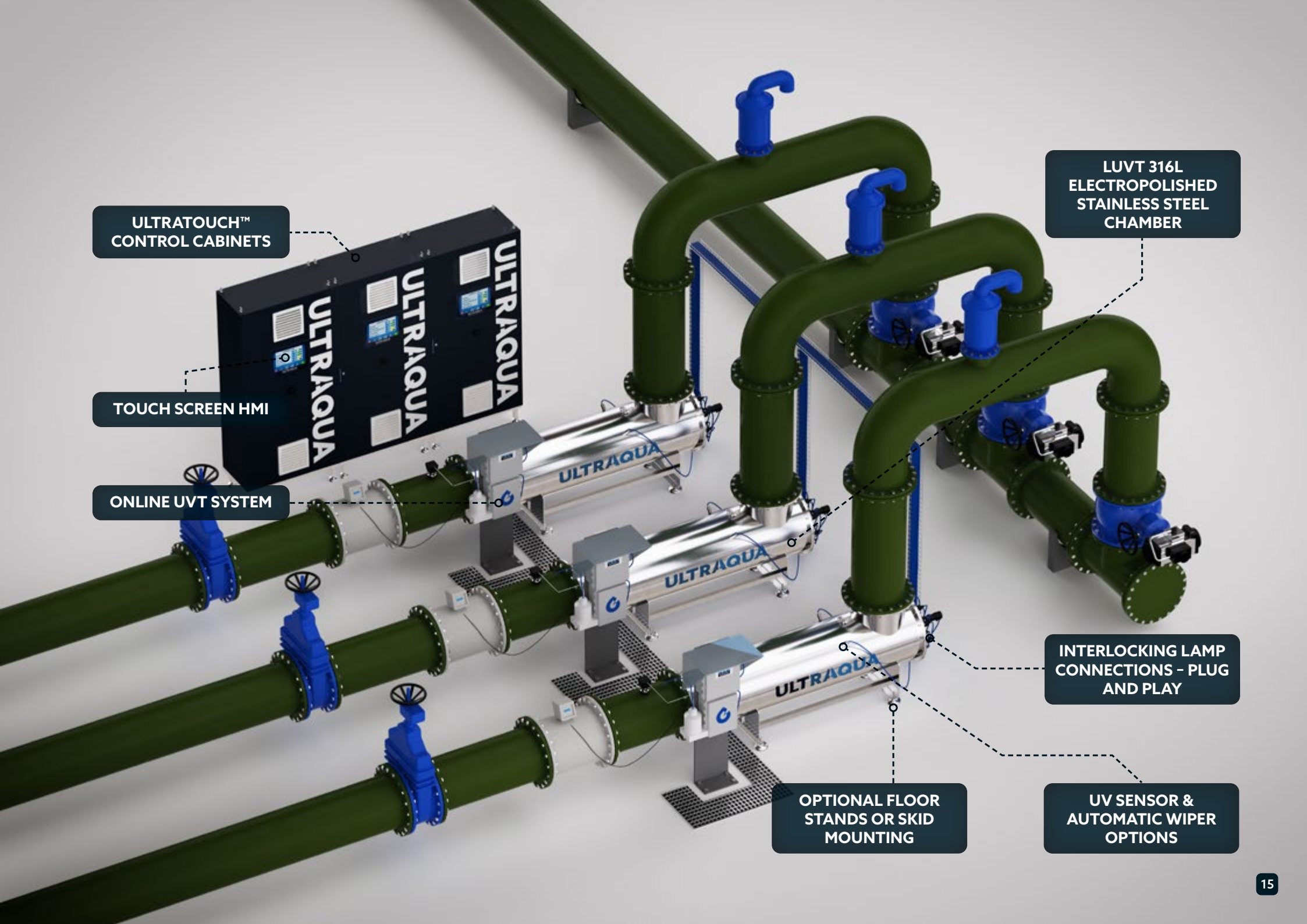
THE INNOVATIVE LUVTSWIRL TECHNOLOGY MAKES THE LUVT SERIES ABLE TO PROLONG UV EXPOSURE TIME FOR PASSING PATHOGENS, ELIMINATING ANY CHANCE OF 'DARK AREAS' WITH UNTREATED MICROORGANISMS, WHILE MAINTAINING LOW ENERGY REQUIREMENTS. THIS MAKES THE LUVT SERIES THRIVE IN WASTEWATER ENVIRONMENTS.

### KEY HIGHLIGHTS

- ⚙️ Guaranteed 16,000-hour ULTRATHERM™ lamp lifetime
- ⚙️ Optimized for maximum efficiency
- ⚙️ Easy maintenance and installation
- ⚙️ Easily integrated in complex environments
- ⚙️ Complete control with ULTRATOUCH™ control cabinets
- ⚙️ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚙️ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



ULTRATOUGH™  
CONTROL CABINETS

TOUCH SCREEN HMI

ONLINE UVT SYSTEM

LUVT 316L  
ELECTROPOLISHED  
STAINLESS STEEL  
CHAMBER

INTERLOCKING LAMP  
CONNECTIONS - PLUG  
AND PLAY

OPTIONAL FLOOR  
STANDS OR SKID  
MOUNTING

UV SENSOR &  
AUTOMATIC WIPER  
OPTIONS

### **SALMON HATCHERY, SCOTLAND**

Annual production of 12 million smolts.



### **ALGAE RESEARCH FACILITY, NEW ZEALAND**

Intake water disinfection for RAS.



### **SMOLT FACILITY, ICELAND**

Annual production of 1.600 tons of salmon fry.



### **AQUARIUM, BAHRAIN**

700 cubic metres of saltwater continuously disinfected.



### **WORLD'S LARGEST EEL FARM, CHINA**

158 systems for 15.000 annual tons of eel production.



### **RAS FACILITY IN BELSVIK, NORWAY**

One of the world's largest RAS facilities for salmon.



### **SHRIMP FARM, AUSTRIA**

RAS water disinfection.



### **SHRIMP FARM, VIETNAM**

PP systems for one of the world's largest shrimp farms.



### **RAS FACILITY IN VERMONT, USA**

Large closed vessel UV systems for RAS facility.





### MUNICIPAL WASTEWATER, FINLAND

Underground process wastewater of 400.000 residents.



### WASTEWATER DISINFECTION, THAILAND

Wastewater disinfection in the Songkhla region.



### FOOD & BEVERAGE, DENMARK

Recycled process water in vegetable production.



### FOOD & BEVERAGE, CUBA

UV disinfection of 20% UVT liquid.



### DRINKING WATER, NORWAY

Pumping capacity of 900.000 liters per hour.



### WELLBOAT, GRIP ARCTIC

Fish carrier in South America.



### DRINKING WATER, DENMARK

Drinking water disinfection in Hedensted.



### RAINWATER DISINFECTION, IRELAND

Disinfected rainwater used for cooling of AHU's.



### DRINKING WATER, CHINA

Drinking water facility in Yulin.



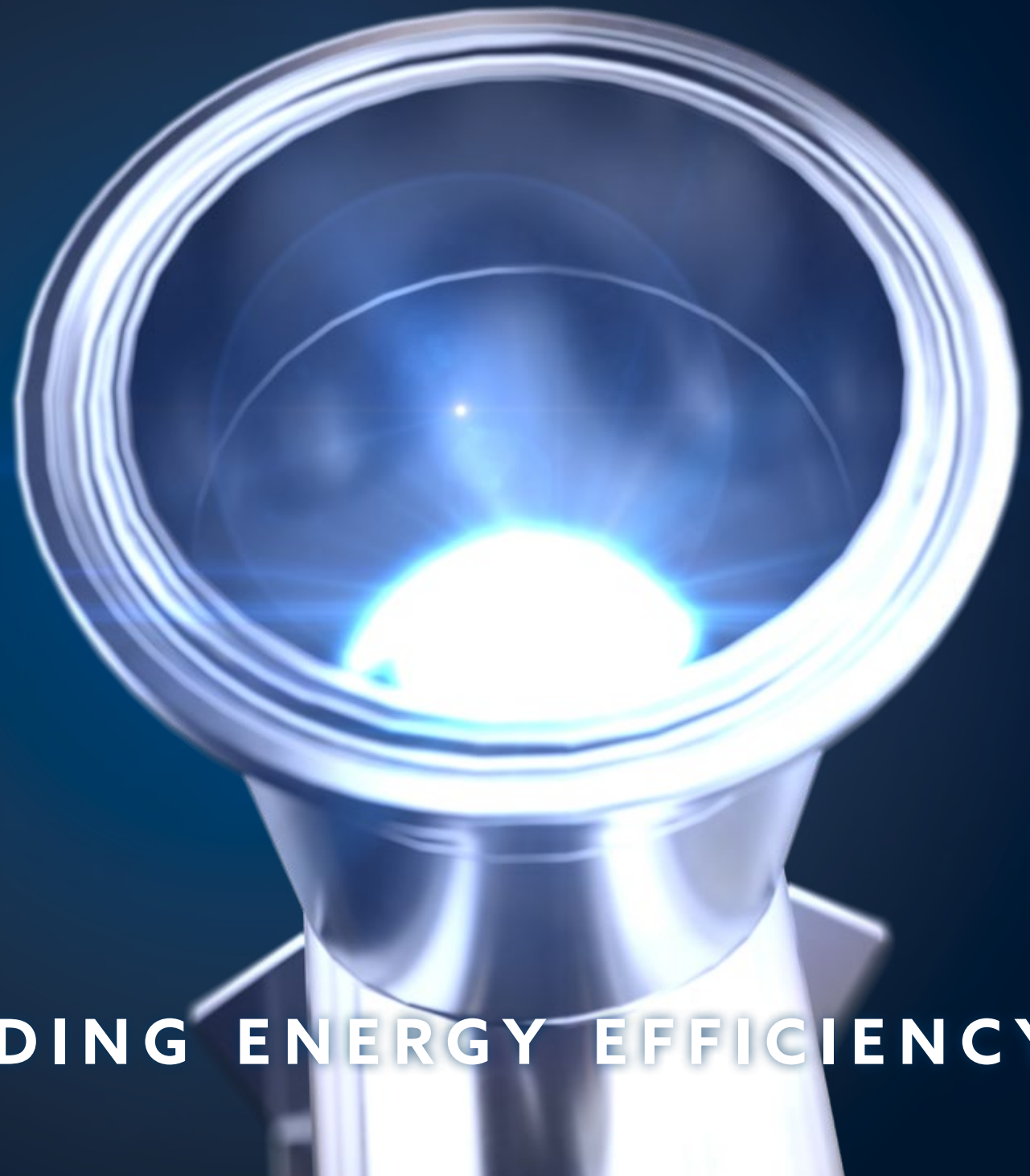
## ULTRALOW ULU SERIES

THE ULTRALOW UVT SERIES IS DEVELOPED SPECIFICALLY FOR APPLICATIONS WITH EXTREMELY LOW UV TRANSMISSION (UVT) FROM 2%.

THE SMALL DISTANCE BETWEEN THE REACTOR WALLS AND THE QUARTZ SLEEVE ENSURES AN EVENLY DISTRIBUTED UV LIGHT EXPOSURE FOR HYDRAULIC OPTIMIZATION. THIS MAKES THE ULU UV SERIES EXCELLENT FOR DISINFECTION OF FLUIDS SUCH AS LIQUID SUGAR, WINE, AND SALT BRINES.

## KEY HIGHLIGHTS

- ⚙️ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
- ⚙️ Optimized for maximum efficiency
- ⚙️ Easy maintenance and installation
- ⚙️ Easily integrated in complex environments
- ⚙️ Complete control with ULTRATOUCH™ control cabinets
- ⚙️ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚙️ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**INTERLOCKING LAMP CONNECTORS - PLUG AND PLAY**

**ULTRATOUCH™ CONTROL CABINETS**

**ULTRATHIN WALL TECHNOLOGY FOR 0-15% UVT PERFORMANCE**

**MODULAR DESIGN**

**OPTIONAL FLANGE CONNECTIONS OR HYGIENIC FITTING**

## TOC VUV SYSTEM SERIES

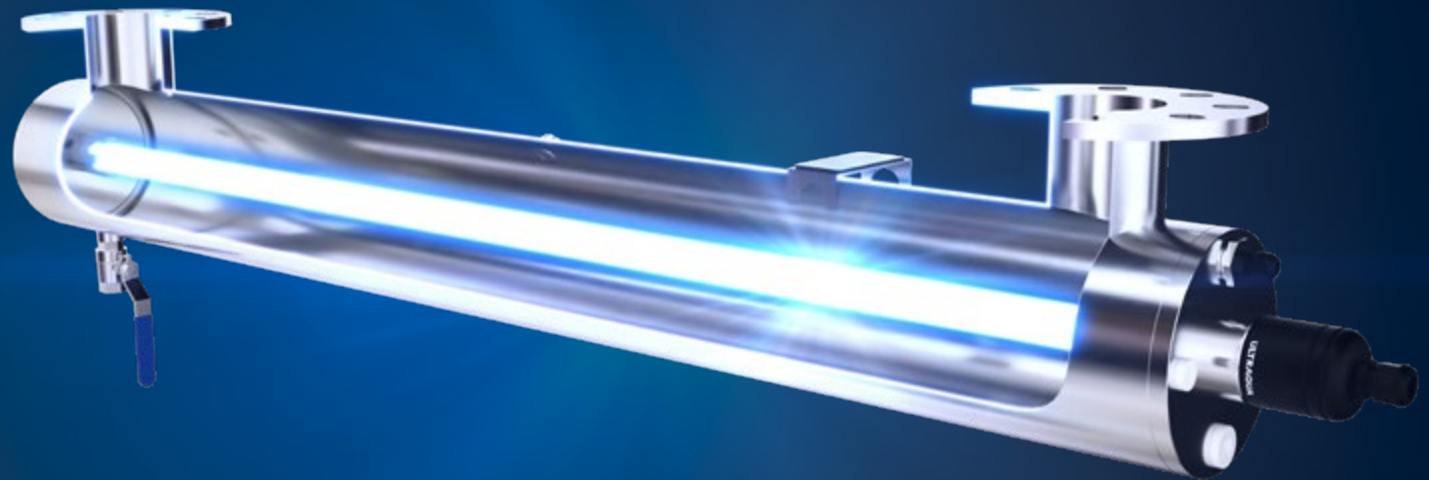
THE VACUUM UV (VUV) SERIES IS DEVELOPED SPECIFICALLY FOR TOC REDUCTION EXCELLENCE.

THE VUV TOC REACTORS ARE OPTIMIZED THROUGH A COMPREHENSIVE CFD MODELING APPROACH, RESULTING IN EXCELLENT ENERGY EFFICIENCY.

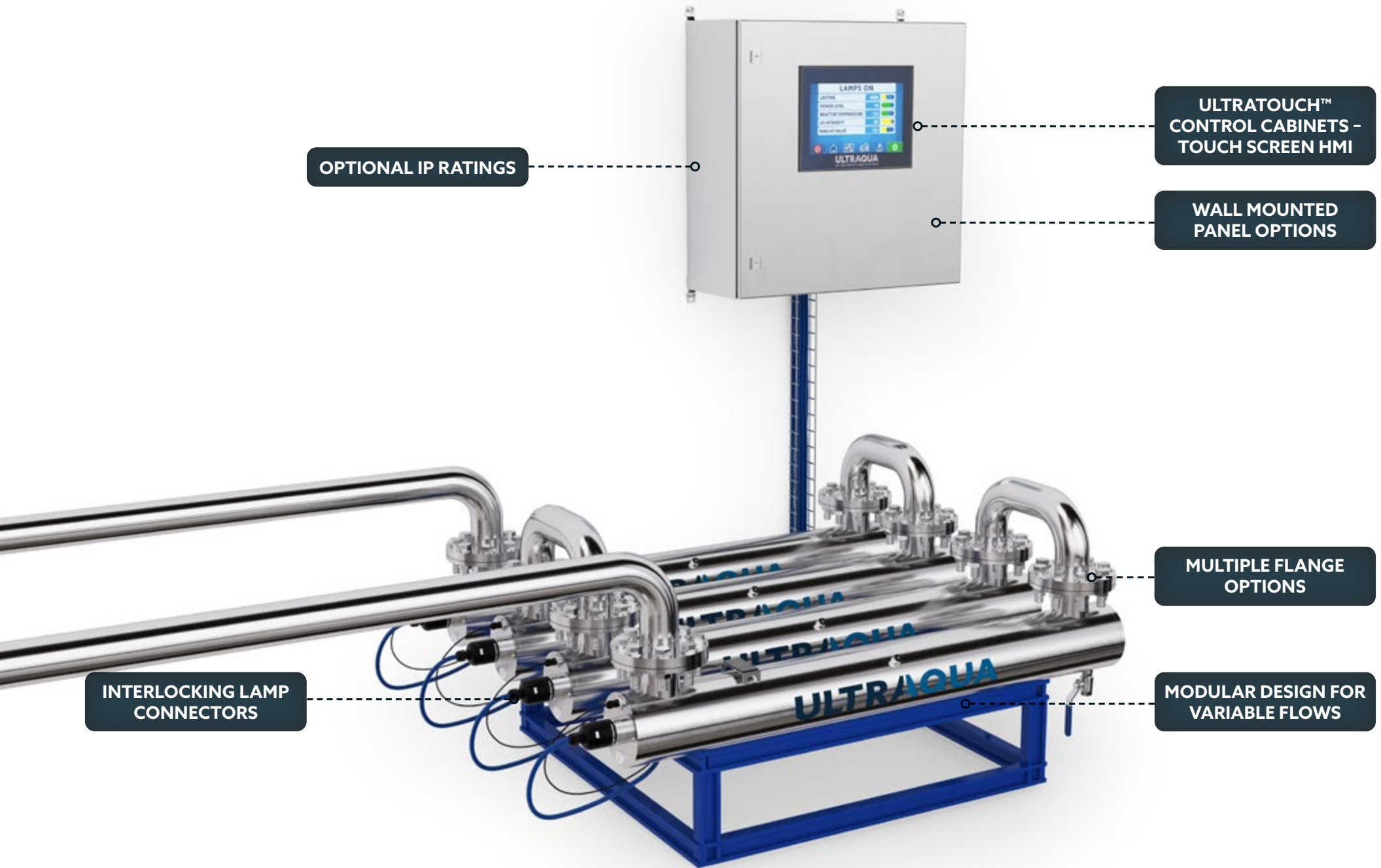
THIS MAKES IT MARKET-LEADING IN PROVIDING DISINFECTED WATER FOR APPLICATIONS SUCH AS PHARMACEUTICAL, FOOD & BEVERAGE, AND PROCESS WASTEWATER, WHERE EVEN THE SMALLEST OF CONTAMINANTS CAN HAVE A MAJOR NEGATIVE IMPACT.

### KEY HIGHLIGHTS

- ⚡ Guaranteed 12.000-hour ULTRATOX™ lamp lifetime
- ⚡ Optimized for maximum efficiency
- ⚡ Easy maintenance and installation
- ⚡ Complete control with ULTRATOUCH™ control cabinets
- ⚡ Excellent level of customization
- ⚡ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



OPTIONAL IP RATINGS

ULTRATOUCH™  
CONTROL CABINETS -  
TOUCH SCREEN HMI

WALL MOUNTED  
PANEL OPTIONS

INTERLOCKING LAMP  
CONNECTORS

MULTIPLE FLANGE  
OPTIONS

MODULAR DESIGN FOR  
VARIABLE FLOWS

## MULTIRAY MEDIUM PRESSURE SERIES

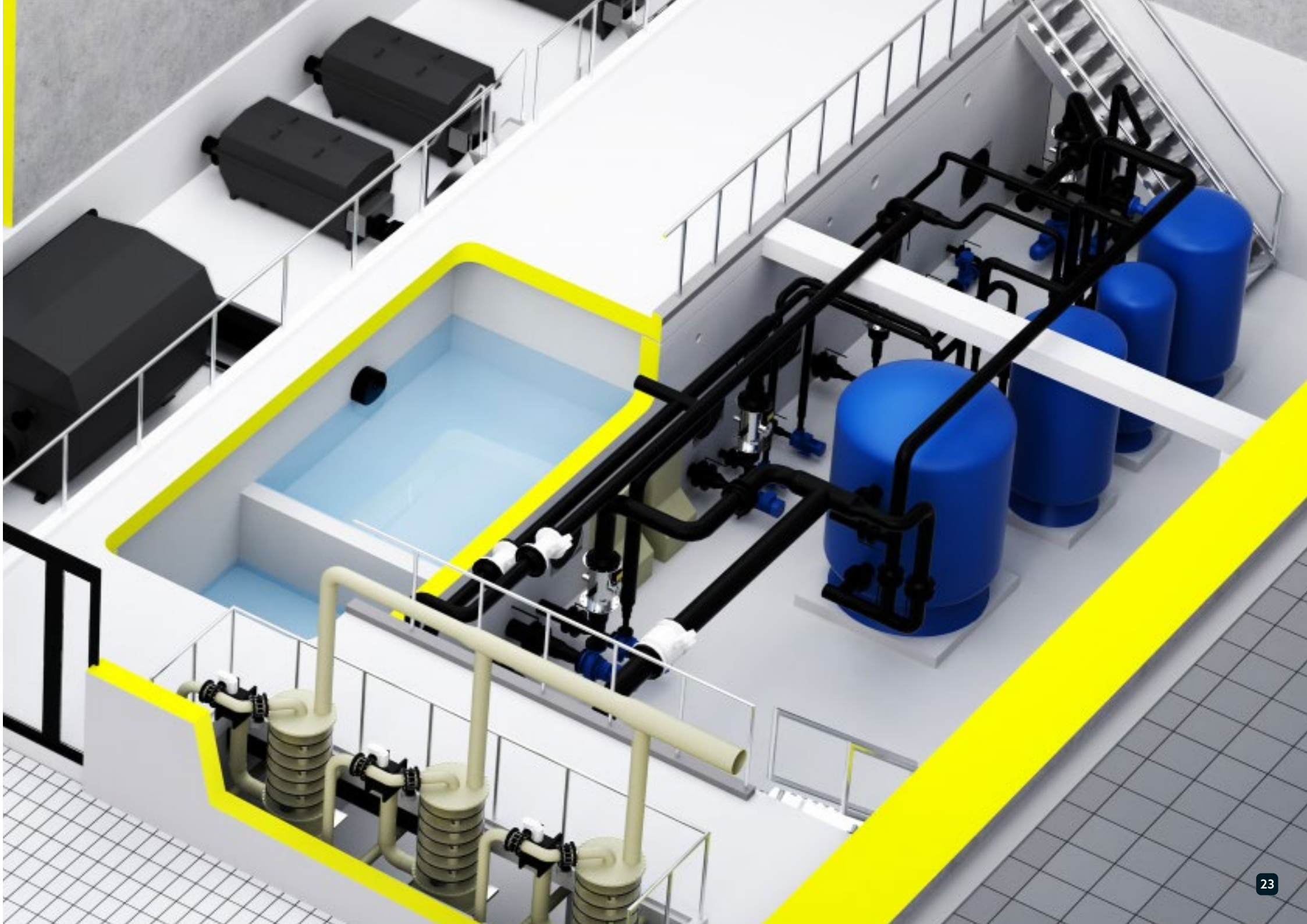
THE MULTIRAY SERIES IS DEVELOPED FOR EXCELLENT DISINFECTION AND CHLORAMINE REDUCTION IN SWIMMING POOLS, BEING OPTIMIZED FOR THE LOWEST POSSIBLE OPERATING COSTS.

### KEY HIGHLIGHTS

- ⚡ High-grade electropolished stainless steel 316L material providing excellent resistance against chlorides
- ⚡ Medium-pressure ULTRATHERM™ 9.000-hour lamp lifetime
- ⚡ Easy maintenance and installation
- ⚡ Sensor removeable during operation for service
- ⚡ Tool free lamp service
- ⚡ Single ended lamp for easy service
- ⚡ PLC-based controller for easy integration



# MARKET LEADING ENERGY EFFICIENCY

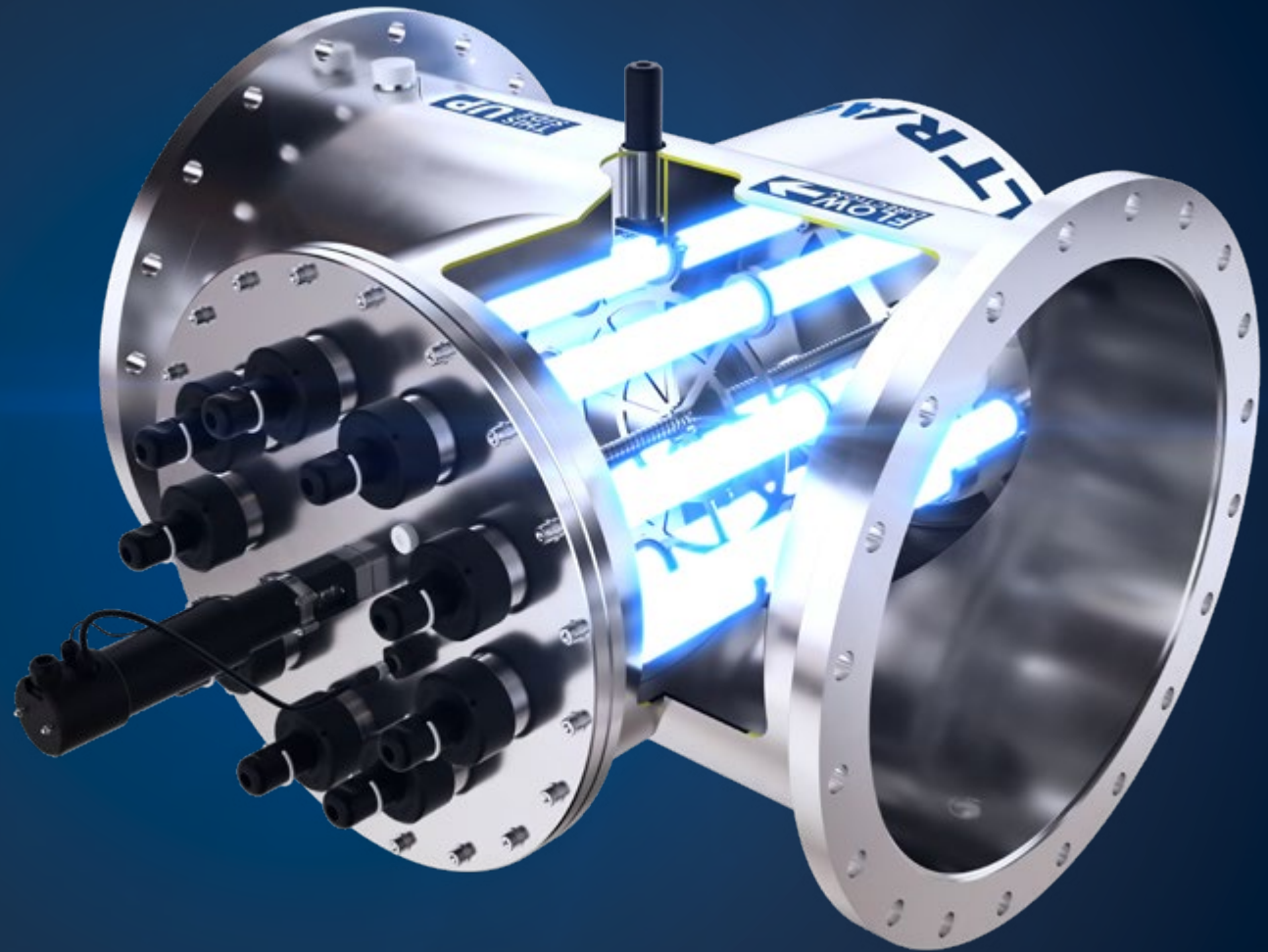


# ULTRATRON MEDIUM- PRESSURE SERIES

THE ULTRATRON SERIES PRODUCT RANGE FEATURES THE WORLDS MOST ADVANCED AND EFFICIENT UV DISINFECTION TECHNOLOGY, OPTIMIZED FOR HIGH FLOW APPLICATIONS WHERE A SMALL FOOTPRINT IS ESSENTIAL AND HIGH-POWER DENSITIES ARE REQUIRED.

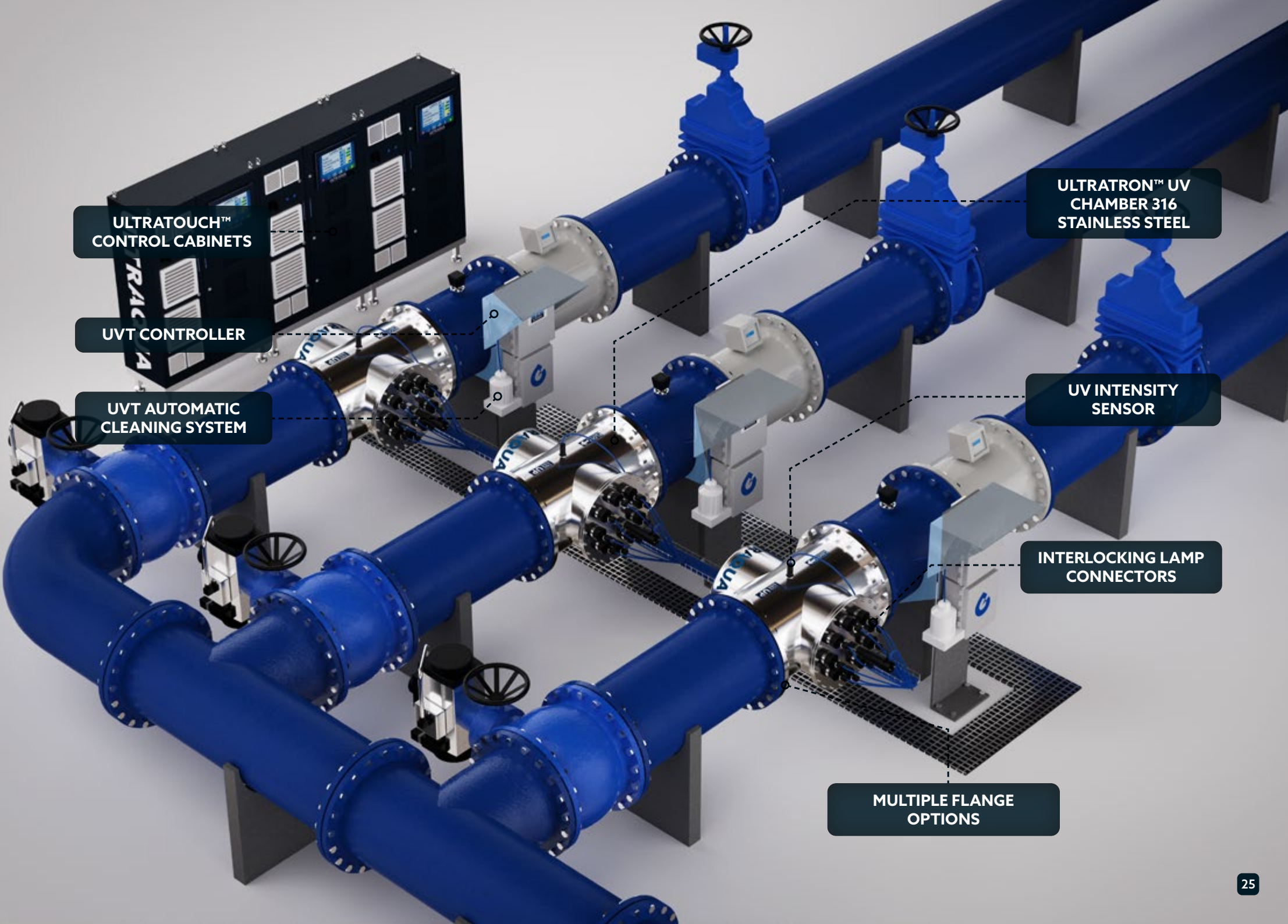
## KEY HIGHLIGHTS

- ⚙️ Guaranteed 9,000-hour lamp lifetime. 12,000-hour expected lamp lifetime under normal operation
- ⚙️ Optimized for maximum efficiency
- ⚙️ Easy maintenance and installation, single sided access with no special tools required
- ⚙️ Easily integrated in complex environments, able for installation vertically and horizontally
- ⚙️ Complete control with ULTRATOUCH™ control cabinets
- ⚙️ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚙️ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY





**ULTRATOUCH™  
CONTROL CABINETS**

**UVT CONTROLLER**

**UVT AUTOMATIC  
CLEANING SYSTEM**

**ULTRATRON™ UV  
CHAMBER 316  
STAINLESS STEEL**

**UV INTENSITY  
SENSOR**

**INTERLOCKING LAMP  
CONNECTORS**

**MULTIPLE FLANGE  
OPTIONS**

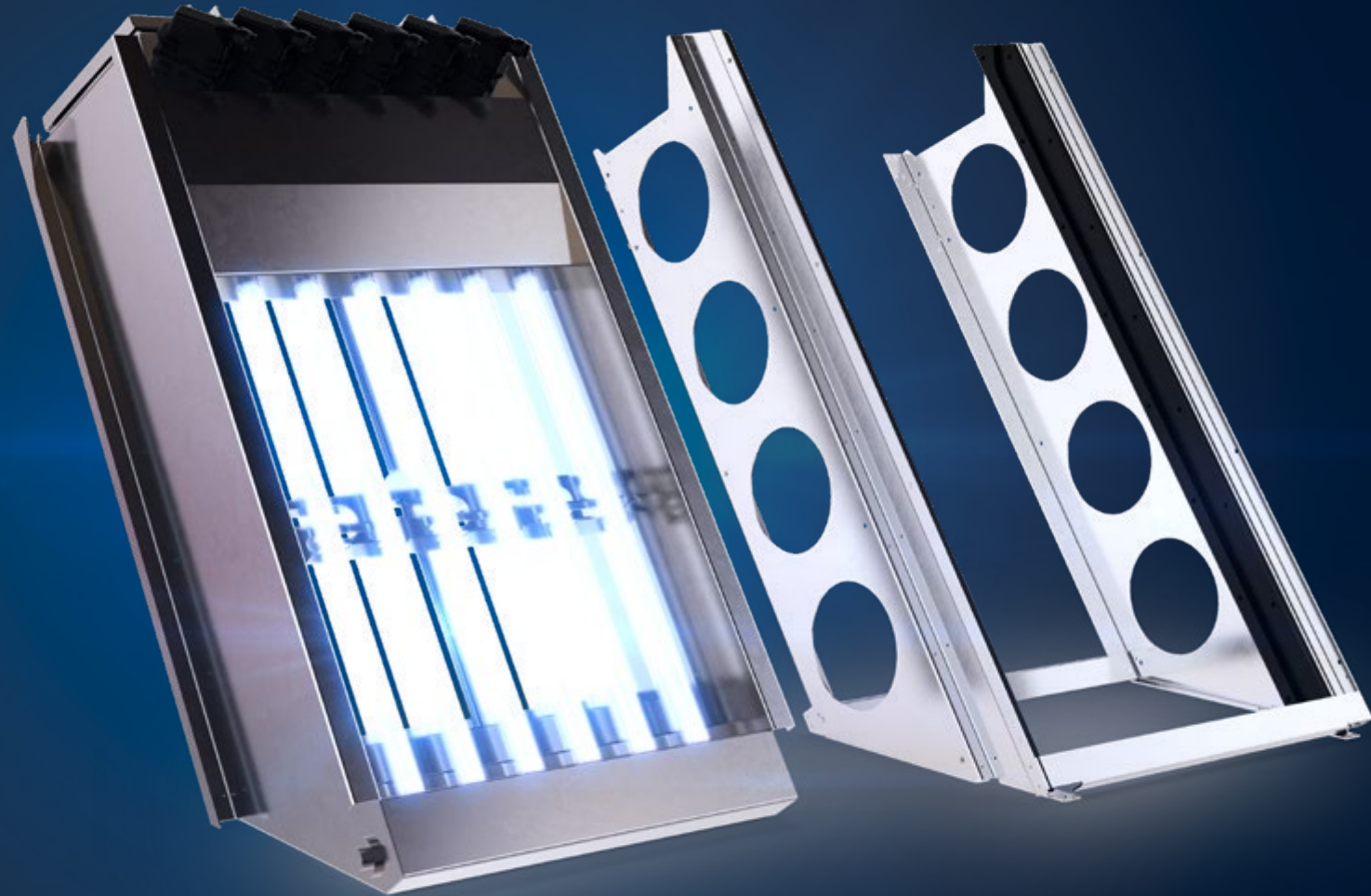
## OPEN CHANNEL (SS) SERIES

THE OPEN CHANNEL SERIES OFFERS SAFE, CHEMICAL-FREE DISINFECTION FOR A WIDE RANGE OF APPLICATIONS, AVAILABLE IN BOTH STAINLESS STEEL (SS) AND POLYPROPYLENE (PP).

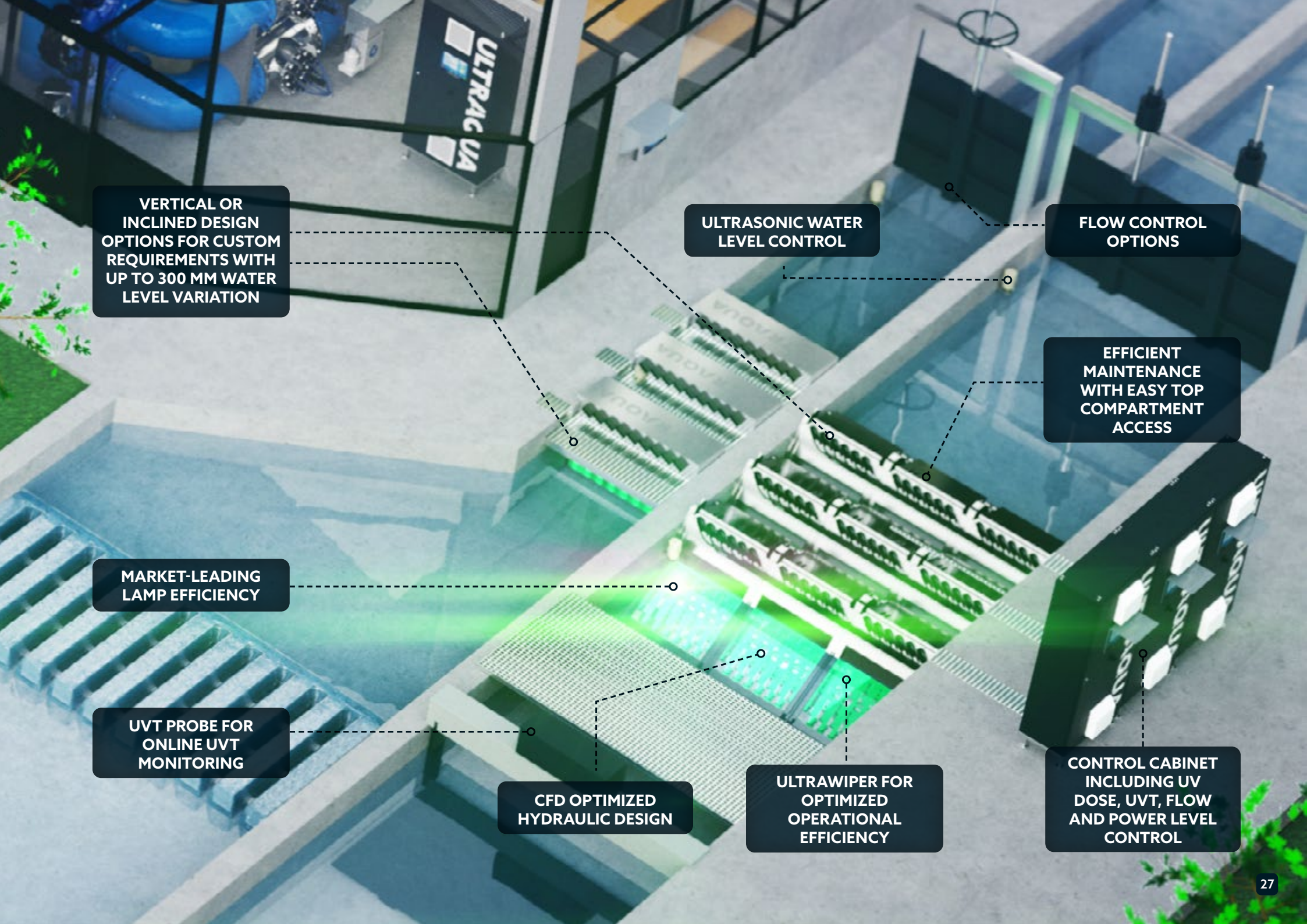
THE SYSTEMS CAN BE CUSTOMIZED TO FIT INTO VIRTUALLY ANY CHANNEL DIMENSION, IN VERTICAL OR INCLINED DESIGN.

### KEY HIGHLIGHTS

- ⚙️ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
- ⚙️ Optimized for maximum efficiency
- ⚙️ Easy maintenance and installation
- ⚙️ Easily integrated in complex environments
- ⚙️ Complete control with ULTRATOUCH™ control cabinets
- ⚙️ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚙️ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**VERTICAL OR INCLINED DESIGN OPTIONS FOR CUSTOM REQUIREMENTS WITH UP TO 300 MM WATER LEVEL VARIATION**

**ULTRASONIC WATER LEVEL CONTROL**

**FLOW CONTROL OPTIONS**

**EFFICIENT MAINTENANCE WITH EASY TOP COMPARTMENT ACCESS**

**MARKET-LEADING LAMP EFFICIENCY**

**UVT PROBE FOR ONLINE UVT MONITORING**

**CFD OPTIMIZED HYDRAULIC DESIGN**

**ULTRAWIPER FOR OPTIMIZED OPERATIONAL EFFICIENCY**

**CONTROL CABINET INCLUDING UV DOSE, UVT, FLOW AND POWER LEVEL CONTROL**

## OPEN CHANNEL (PP) SERIES

THE OPEN CHANNEL UV DISINFECTION SYSTEMS OFFERS SAFE, CHEMICAL-FREE DISINFECTION FOR A WIDE RANGE OF APPLICATIONS, AVAILABLE IN BOTH STAINLESS STEEL (SS) AND POLYPROPYLENE (PP).

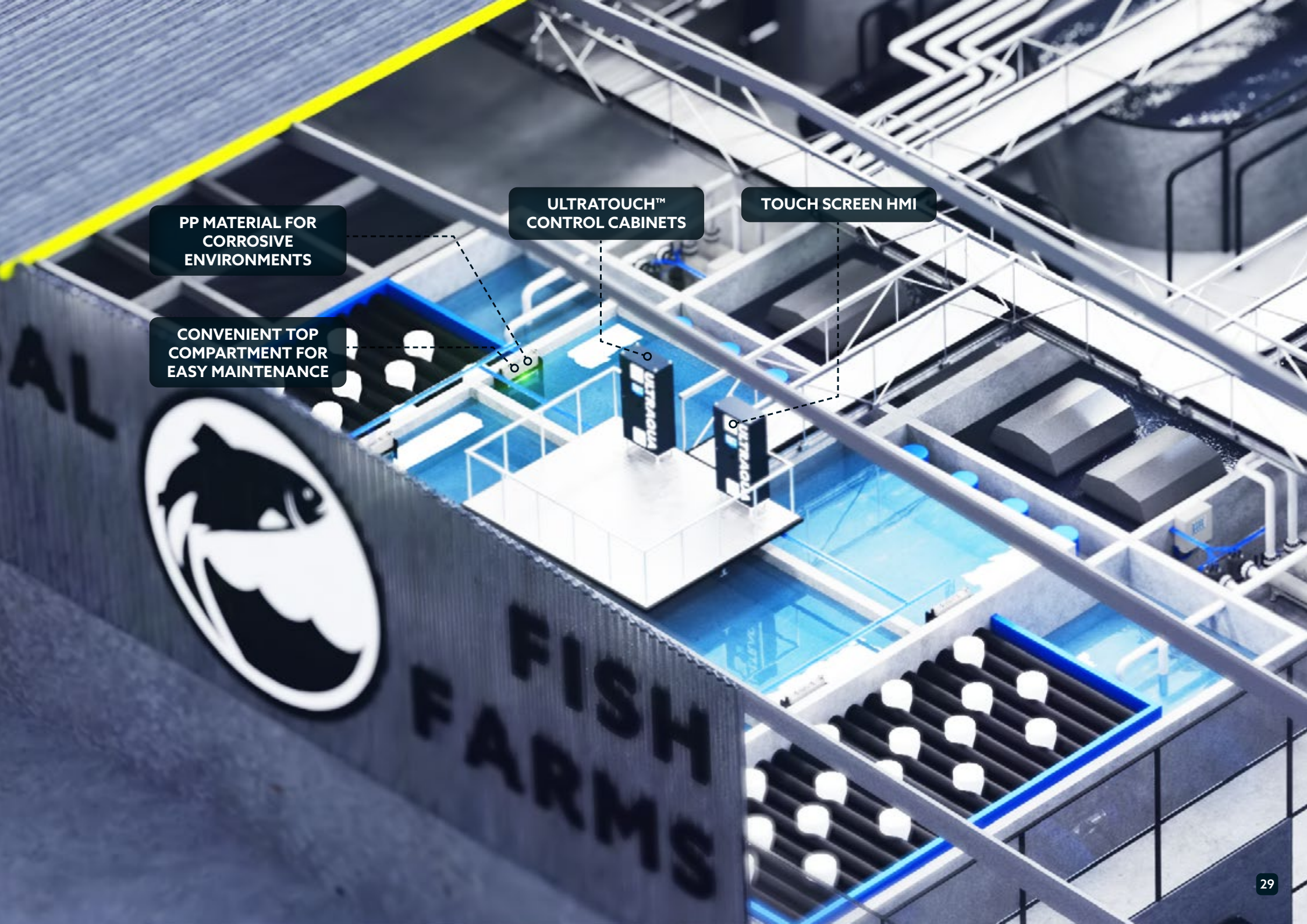
THE SYSTEMS CAN BE CUSTOMIZED TO FIT INTO VIRTUALLY ANY CHANNEL DIMENSION.

### KEY HIGHLIGHTS

- ⚡ Guaranteed 16.000-hour ULTRATHERM™ lamp lifetime
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- ⚡ Easy maintenance and installation
- ⚡ Easily integrated in complex environments
- ⚡ Complete control with ULTRATOUCH™ control cabinets
- ⚡ Automated ULTRAWIPER™ quartz cleaning with tailored brush heads
- ⚡ Extended 5 years warranty available - subject to terms & conditions



# MARKET LEADING ENERGY EFFICIENCY



**PP MATERIAL FOR  
CORROSIVE  
ENVIRONMENTS**

**CONVENIENT TOP  
COMPARTMENT FOR  
EASY MAINTENANCE**

**ULTRATOUCH™  
CONTROL CABINETS**

**TOUCH SCREEN HMI**

## COMPLETE CONTROL WITH ULTRATOUCH™ CONTROL CABINETS

THE MARKET LEADING ULTRATOUCH™ PLC IS THE VERY LATEST IN CONTROL AND TOUCH-SCREEN HMI TECHNOLOGY.

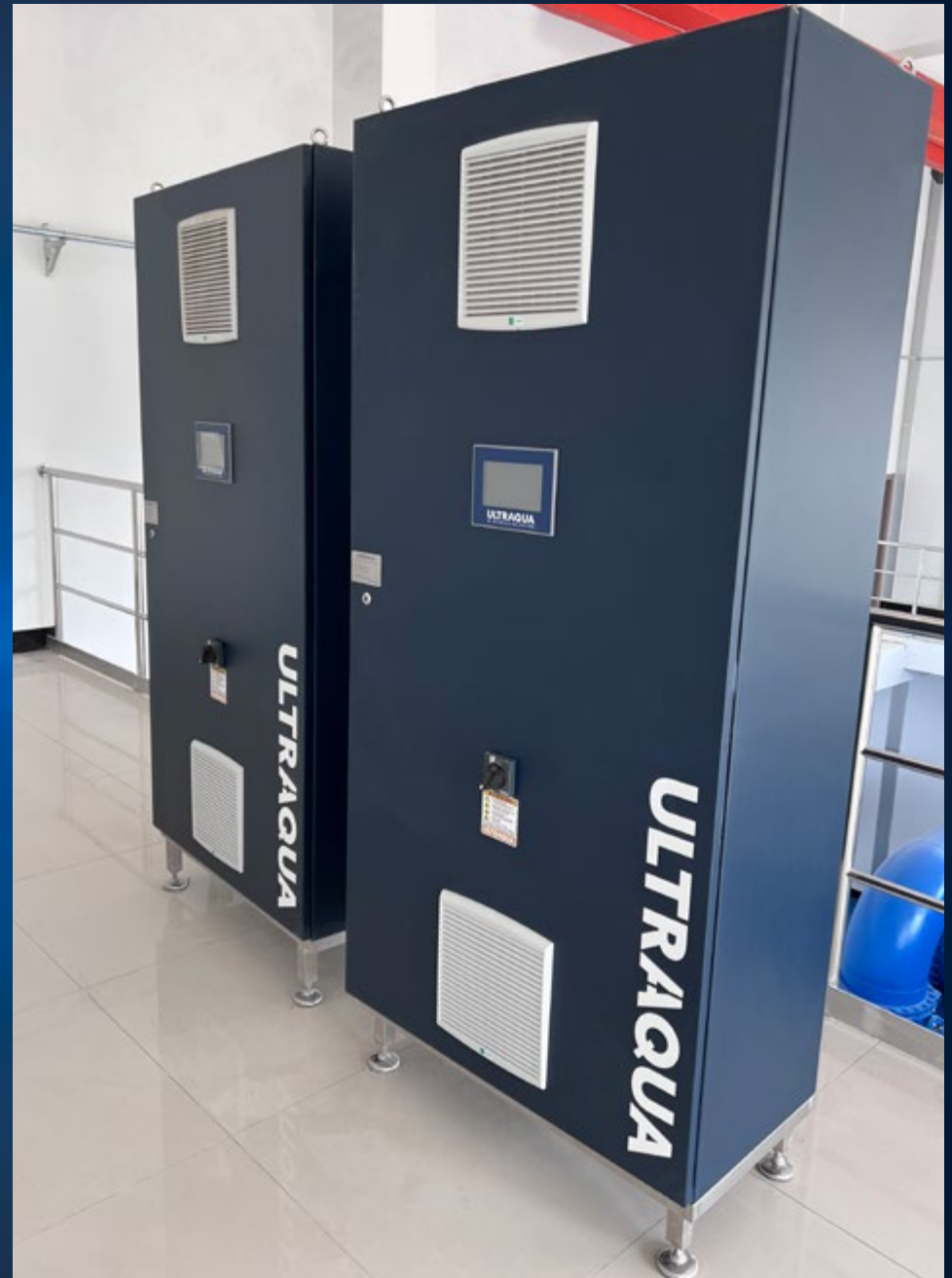
THE AUTOMATIC DOSE PACING ENSURES OPTIMIZED EFFICIENCY BY REDUCING POWER CONSUMPTION WHILE ENSURING A STABLE DOSE UNDER OPERATION.

### KEY HIGHLIGHTS

- ⚙ Automatic dose pacing ensuring optimized power consumption and a stable operation dose
- ⚙ Full data logging for complete operator control
- ⚙ Comprehensive performance and event logs
- ⚙ Cabinet and reactor overheat protection
- ⚙ PLC controls easily integrated into SCADA layouts
- ⚙ Intuitive touch-screen HMI technology



# MARKET LEADING ENERGY EFFICIENCY



**MUNICIPAL WASTEWATER, KOSOVO**  
New WWTP treating a flow rate of 760 m<sup>3</sup>/h.



**AQUACULTURE RESEARCH FACILITY, KOREA**  
Intake water disinfection.



**DRINKING WATER, DENMARK**  
Drinking water disinfection in Frederiksberg.



**FOOD & BEVERAGE, DENMARK**  
Reuse of process water at Premier Is.



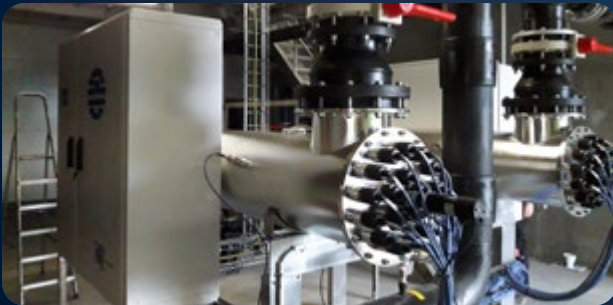
**MUNICIPAL WASTEWATER, TAIWAN**  
Zero-discharge sewage water resources recycling center.



**MUNICIPAL WASTEWATER, MEXICO**  
11 Open Channel systems for wastewater disinfection.



**RAS FACILITY, NORWAY**  
Large-scale land-based salmon farm in Fredrikstad.



**SWIMMING POOL, CHINA**  
Swimming pool disinfection for the world expo in China.



**SALMON RESEARCH FACILITY, NEW ZEALAND**  
PEHD UV systems for intake water disinfection.





# CUSTOMIZED SOLUTIONS

## ULTRAAQUA EMPLOYS AN ENTIRE DEPARTMENT OF ENGINEERS WHO ARE SPECIALIZED IN THE DESIGN AND CONSTRUCTION OF UV SYSTEMS.

Multiple years of experience within relevant applications makes it possible to adjust any standard UV system to accommodate specific requirements.

The customization requirements can vary from adjustments such as reactor shape or flange size, to adding new advanced features. This makes the ULTRAAQUA design department function as a consulting agency, working towards an optimized customized solution. This means that we can ensure on site validation to various standards, fitting your exact requirements.

The following possibilities are available for all customized UV units:

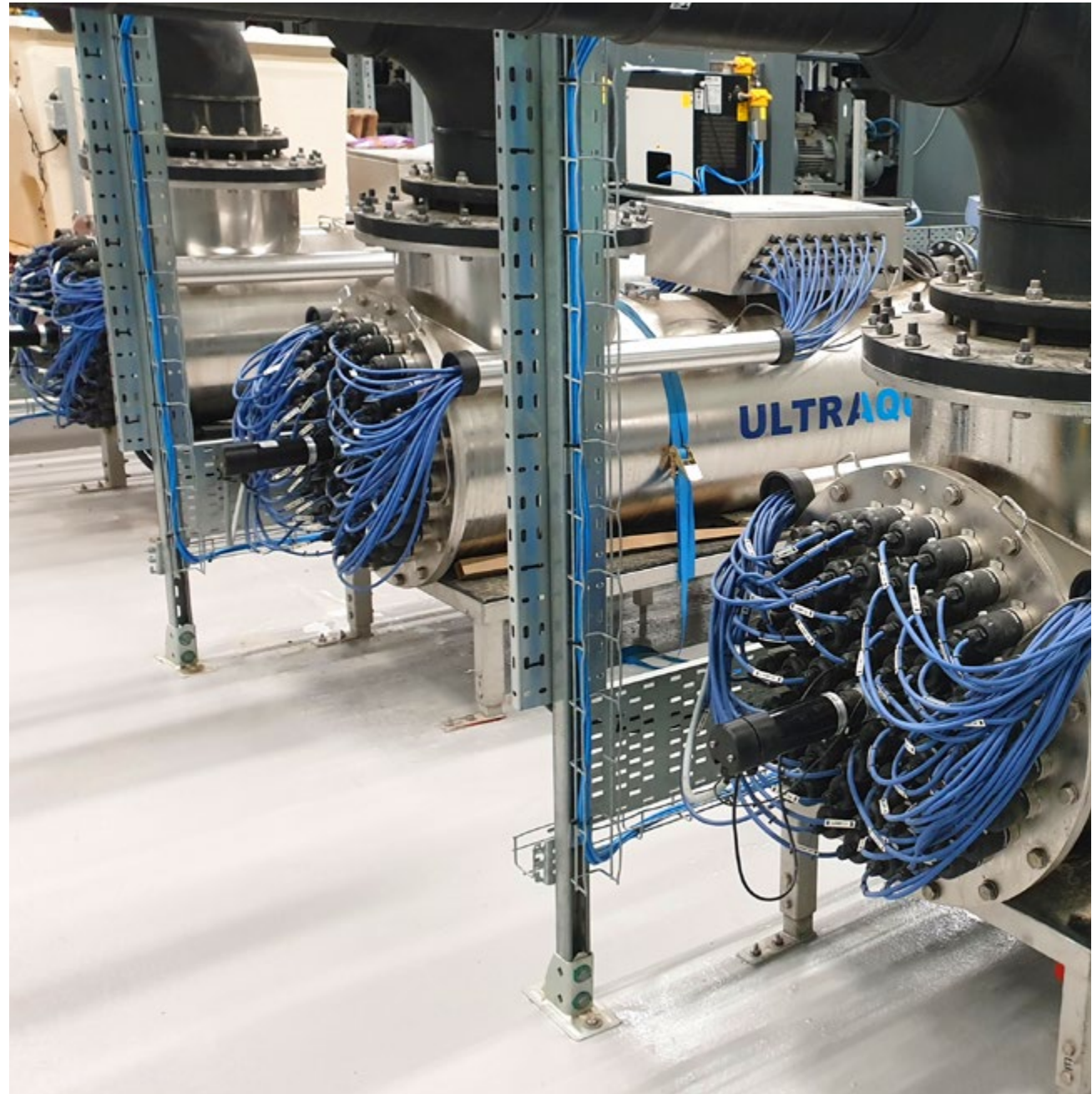
### Customized services

- Integrated CFD Analysis
- Particle tracing modeling analysis
- Determining fluence rate
- Physical testing
- Onsite validation testing
- Advanced UV disinfection support

### Customized products

- Custom UV systems for advanced applications
- Packaged plant equipment
  - Including mobile treatment container
  - Skid packages

Comprehensive technical knowledge makes the engineers able to assist with installation details such as weir design, water level control devices, and many other project-specific matters.



## R&D CAPACITIES

**SINCE 1996, THE R&D DEPARTMENT HAS BEEN THE BACKBONE OF ULTRAAQUA.**

Employing the brightest industry specialists with great diversity for continuous innovation has been vital to the success of the company.

The ULTRAAQUA R&D department conducts, supports, and pioneers some of the latest developmental work within the water industry. These projects are often done in collaboration with specialists from municipalities, universities, top tier consultancies and international companies. The projects are primarily focused on developing unique and advanced chemical free disinfection solution for some of the worlds most complex water quality problems.

The comprehensive in-house testing area facilitates optimal conditions for research, development, and innovation. With the ability to run full scale pilot trials and a 40 ft research container to support local testing combined with cutting edge engineering, makes us confident that ULTRAAQUA is the right partner for your organization.

This ultimately allows ULTRAAQUA to position itself amongst the industry leaders within UV disinfection, supplying customers with the best available solutions.

**ULTRAAQUA**  
UV DISINFECTION SYSTEMS



## SERVICE & SUPPORT

**ULTRAAQUA IS A GLOBAL COMPANY OFFERING WORLDWIDE SERVICE AND SUPPORT, WITH ITS HEAD OFFICE BASED IN DENMARK.**

With operations in over 120 countries and an install base of 10.000 systems, ULTRAAQUA is able to offer extensive support regarding installation and maintenance with the extensive network of regional offices.

The technical support team in our head office provides 24-hour remote service upon agreement, ensuring complete protection to avoid potential emergencies.

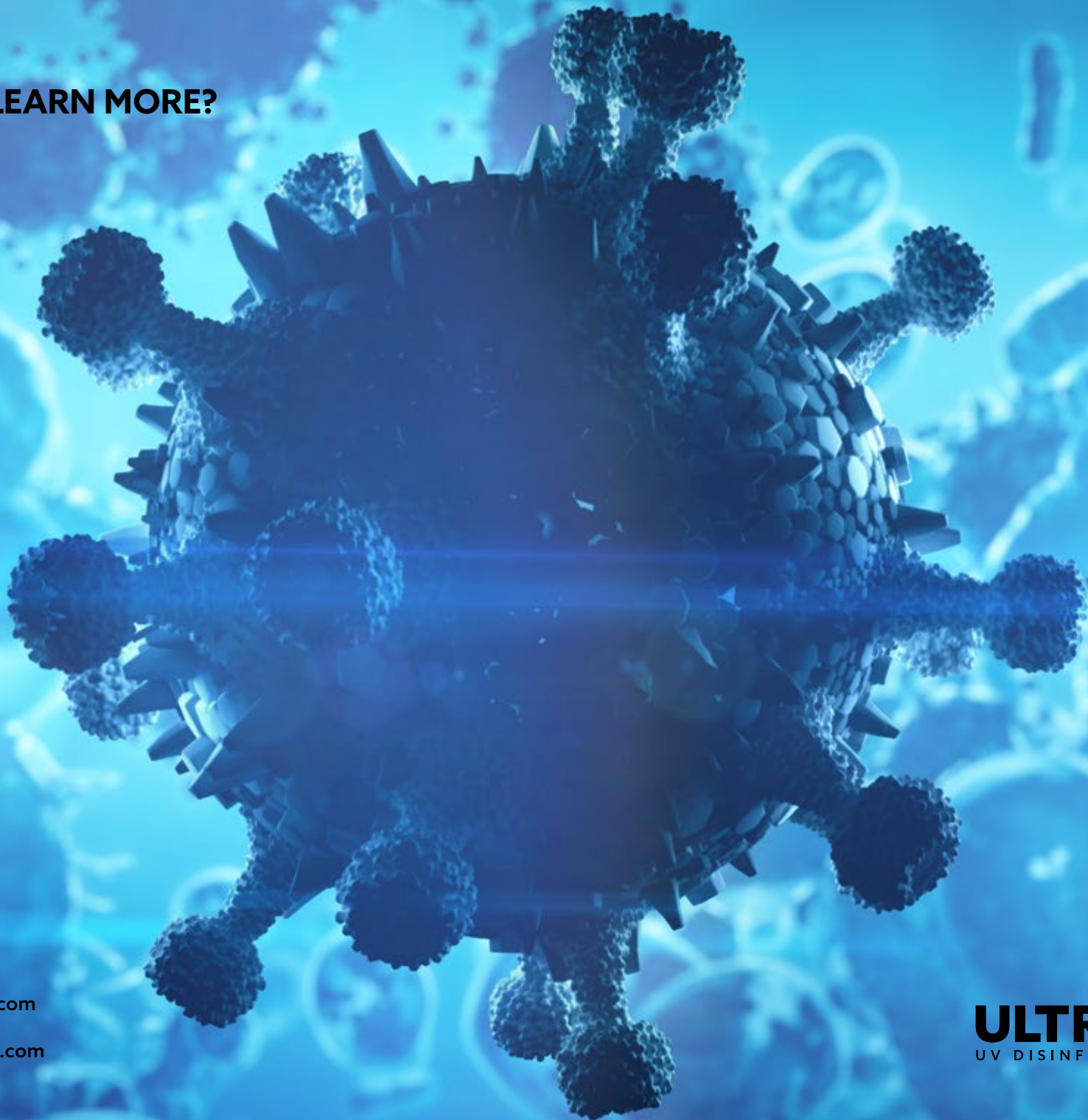
At ULTRAAQUA, we wish to provide a complete product experience for our customers, from the very start of determining requirements to the ongoing operational maintenance. This means that our responsibility does not stop after the UV system reaches its destination. By establishing a close collaboration with all clients, a streamlined process is effectively ensured throughout all post installation activities.

Our support services include, but are not limited to:

- 🔧 General technical support
- 🔧 Advanced 24-hour support upon agreement
- 🔧 Spare part ordering and shipping services
- 🔧 Commissioning
- 🔧 On-site training
- 🔧 On-site technical support

If needed, qualified engineers are available for on-site training and technical support, being able to assist in setting up the entire system. Extensive information and technical knowledge is always provided, to ensure maximum performance and system reliability.

**WANT TO LEARN MORE?**



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🌐 [www.ultraaqua.com](http://www.ultraaqua.com)

✉ [sales@ultraaqua.com](mailto:sales@ultraaqua.com)

**ULTRAQUA**  
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