UV-COM

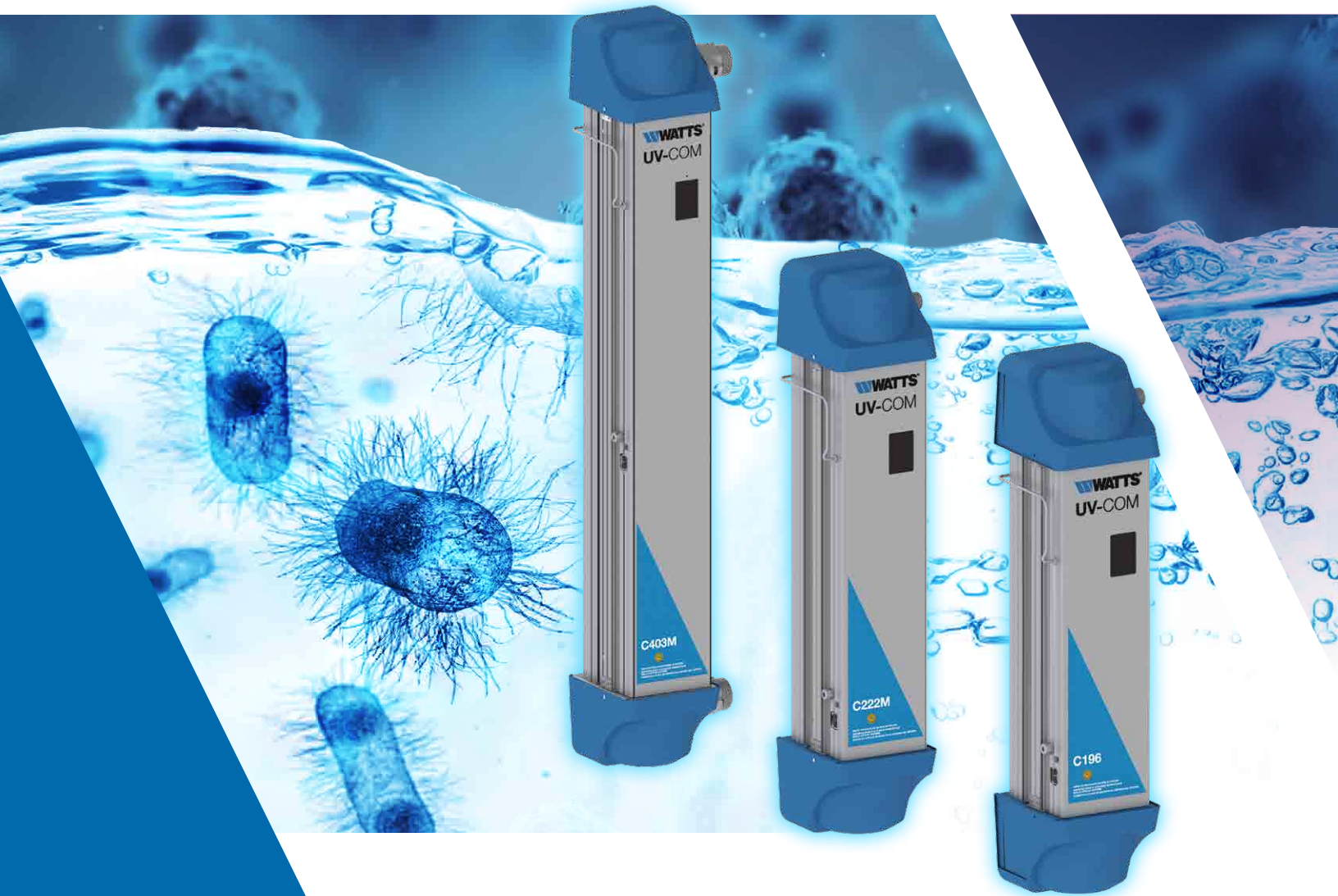## Commercial Ultraviolet Light
Water Disinfection Systems

Legionella Can't Hide from Watts® UV-COM

Watts UV-COM provides a highly effective and easy-to-maintain ultraviolet light disinfection solution designed to defend building occupants against legionella. Powered by Crossfire™ Technology, UV-COM's dual-lamp design delivers 360-degree UV light emission, significantly reducing shielding by solid particles and providing powerful disinfection of your customer's potable water.

WIDE RANGE OF POTABLE APPLICATIONS

Available in five models for commercial potable water applications, such as drinking water systems and domestic hot water applications (up to 130°F), ranging from 16.5 GPM to 100 GPM.

SOLVES COMMON UV DISINFECTION CHALLENGES

Provides solutions to common UV performance challenges, including shadowing, hard water pretreatment, the impact of cold water, no-flow and low-flow conditions, overheating of UV lamps, and quartz sleeve fouling.

HIGH PERFORMANCE IN LOW UVT CONDITIONS

Effectively disinfects at hardness levels as high as 50 GPG (grains per gallon) and iron levels up to 3 mg/L, neutralizing up to 99.9999% (6-log) for legionella.

SELF-CLEANING LOW MAINTENANCE DESIGN

Easy lamp replacement, automatic self-cleaning wipers, and built-in purging reduce fouling of the quartz sleeve for superior disinfection performance in difficult water applications.
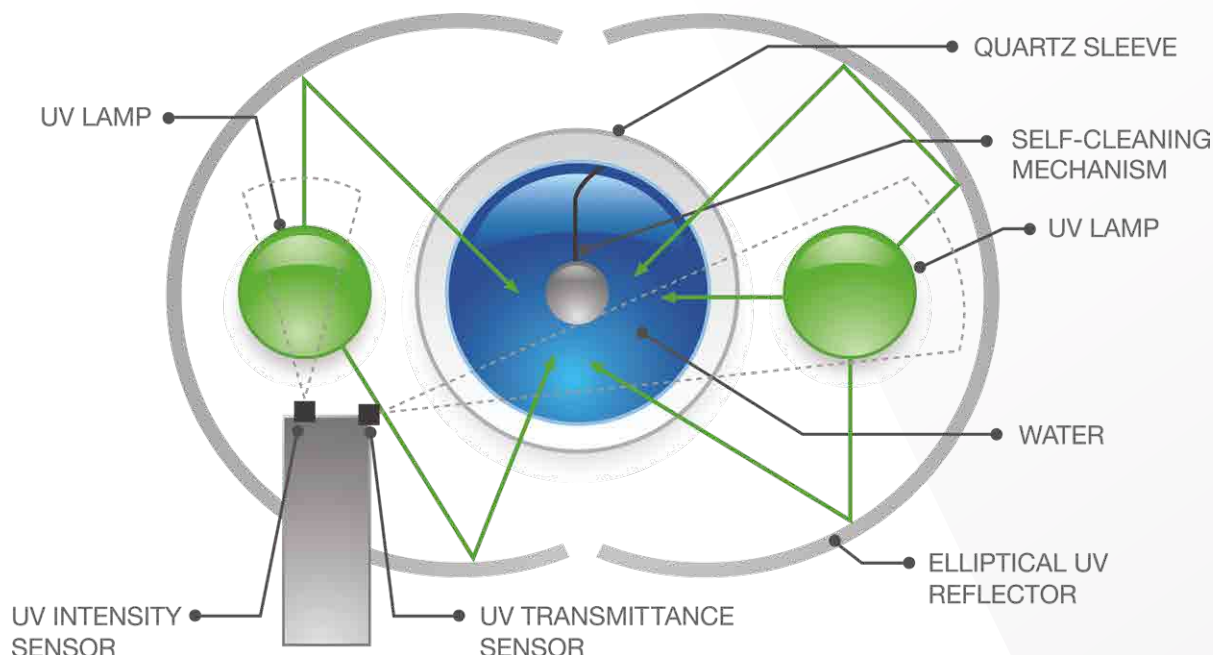
REDUCE ENVIRONMENTAL IMPACT

UV disinfection requires no harsh chemicals and produces no harmful disinfection byproducts.

Superior Disinfection Performance with Crossfire™ Technology

QUARTZ SLEEVE

UV LAMP

SELF-CLEANING MECHANISM

UV LAMP

WATER

ELLIPTICAL UV REFLECTOR

UV INTENSITY SENSOR

UV TRANSMITTANCE SENSOR

360° COVERAGE

Reliably disinfects water with UVT as low as 35% versus minimum 75% in conventional systems. This may eliminate the need for pre-disinfection softening or other scale control solutions, saving your customers money.

SMART SENSORS

Multiple smart sensors continually monitor UV dose, transmittance, and lamp intensity in real time to eliminate false alarms and minimize downtime.

SAFE & EASY MAINTENANCE

Lamps located in the reactor chamber make replacement easy and removes the risk of breaking the quartz. Built-in electrical, mechanical, and thermal safeguards control contact with potentially harmful elements during maintenance and repairs.

LOW OPERATING COSTS

Designed to reduce recurring costs like manual chemical cleaning, time-consuming lamp changes, and quartz replacement caused by accidental breakage during maintenance.

Specifications & Dimensions

Model	C196	C196C	C222	C222C	C403
Certification/Validation	NSF/ANSI/CAN 61 & NSF/ANSI/CAN 372				
		NSF/ANSI 55-A		NSF/ANSI 55-A	
Flow (single unit)	37 GPM	16.5 GPM	40 GPM	27.4 GPM	100 GPM
UV Dose (mJ/cm^2)	40 (minimum)				16-200
UV Transmittance	95%	Min. 75%	95%	Min. 75%	95%
Maximum Water Hardness	50 gpg				
Maximum Iron (in water)	3 ppm				
Air Temperature	34 - 104°F				
Water Temperature	34 - 131°F				
Water Pressure	5 - 100 psig				
Relative Humidity (air)	Max 70%				
Max Pressure Drop	10 psi	22.7 psi	13 psi	22.7 psi	5 psi
Dimensions	36.5" (H) x 9.6" (W) x 8.6" (D)				

For a full list of technical specifications, please refer to the technical data sheet for the specific UV-COM solution or visit watts.com/UV-COM.

Discover Superior Commercial UV Disinfection ➔

Water the Way It Should Be

Your Water Technology Partner for 150 Years

Deliver your customers confidence in their water, no matter the application. A trusted innovator in water technology for 150 years, Watts is widely recognized as the benchmark in treatment and conditioning solutions. From softening and filtration to specialty media and custom engineered solutions, the future of water quality flows through Watts.

WATTS®