Choose the system that's right for you

There are three Aquada models to choose from. Each is available in five different sizes depending on the flow requirements of your home or business. Whether you prefer the economical Altima model, the feature packed Proxima or the high specification Maxima, there is an Aquada model to meet everyone's needs. And because every Aquada model is designed to deliver the UV dose recommended by important European and American regulatory and safety agencies*, you can be sure that your water will always be safely and effectively disinfected.

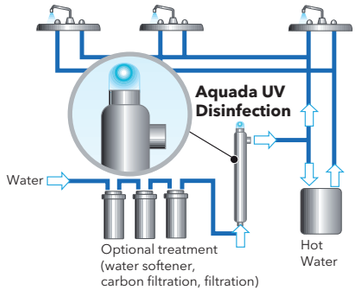


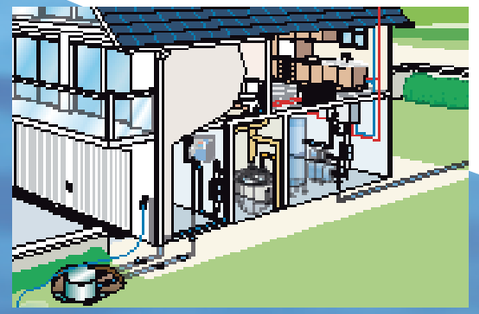
AQUADA UV Model Selection Guide	Altima	Proxima	Maxima
Effective microbiological protection	•	•	•
Biodosimetrically tested*	•	•	•
Polished stainless steel disinfection chamber	•	•	•
High-intensity, long life UV lamps	•	•	•
Attractive, molded control unit	•	•	•
Glow-cap lamp operation indicator	•	•	•
Safe-T-Cap lamp connector system	•	•	•
Micro-computer controller		•	•
Visual alarm display		•	•
Audible alarm buzzer		•	•
Digital lamp life display		•	•
Push Button alarm/computer reset		•	•
Power connection for optional automatic solenoid safety shut-off valve		•	•
UV intensity monitor			•
Digital UV intensity display			•

* Observe country-specific regulations for UV disinfection

Where can Aquada UV systems be applied?

The Aquada UV system is suitable everywhere that drinking water is taken from its own sources or the quality from public networks is no longer sufficient for your own needs. Moreover, it is used in residential treatment plants for disinfection of rainwater, in process water circulations, aquarium or private swimming pools, ventilation and air-conditioning, fountains and water attractions. Aquada UV systems can be integrated into existing water pipeline systems without a great deal of effort.





Connected to the water supply line in your home, ultraviolet disinfection provides a final barrier to micro-organisms for your entire house-hold.

Aquada UV

- Observe country-specific regulations for UV disinfection.
- Make sure to confirm the max. flow into your house before selecting an Aquada UV system. Your supplier will be able to advise.
- Aquada UV systems require professional installation by a certified plumber.

Specifications						
Type	Flow Rates (m^3/h) *400 J/m^2	Flow Rates (m^3/h) *300 J/m^2	Pipe connec-tion (inches)	Power (W)	Dimensions (H x W x D mm)	Weight chamber (kg)
Aquada 1	0.73	0.98	1/2"	35	470 x 90 x 70	1.7
Aquada 2	1.85	2.47	3/4"	55	670 x 95 x 70	2.4
Aquada 4	3.24	4.32	3/4"	55	675 x 129 x 102	3.2
Aquada 7	6.70	9.00	1"	85	1035 x 132 x 102	5.0
Aquada 10	10.10	13.4	1 1/2"	85	1040 x 180 x 140	9.0
* UV transmission = 98 % per 1 cm at end of lamp life						





Display (Maxima)

Power supply

Connection for optional valve

Optional: Solenoid valve (Proxima, Maxima)



power supply cable



transparent lamp connector



Smart UV sensor (Maxi-



fixing straps

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AQUADA UV

ELIMINATE BACTERIA IN YOUR DRINKING WATER!

WEDECO
a xylem brand

Protect your Family from Micro-Organisms

Mirco-organisms include tiny bacteria, viruses and cysts that exist in nature. Although local water supplies are treated by various processes, including chlorine, these organisms can survive in the water delivered to our home for use in bathing, washing and, of course, drinking. Although most are harmless, exposure to dangerous micro-organisms can result in severe illness. Especially vulnerable are elderly people, those with weakened immune systems, and children.

The most effective way to inactivate these organisms and prevent the potential for illness is through disinfection of your water at home using ultraviolet (UV) light. While other home water treatment processes such as filtration or water softeners will improve the taste and clarity of your water, they are not designed to protect against dangerous micro-organisms. UV will instantly and effectively render dangerous organisms harmless.

Biodosimetrically tested by the Hygienic Institute, University of Bonn



Legionella pneumophila – even extremely resistant bacteria are safely inactivated in your drinking water by AQUADA UV light systems

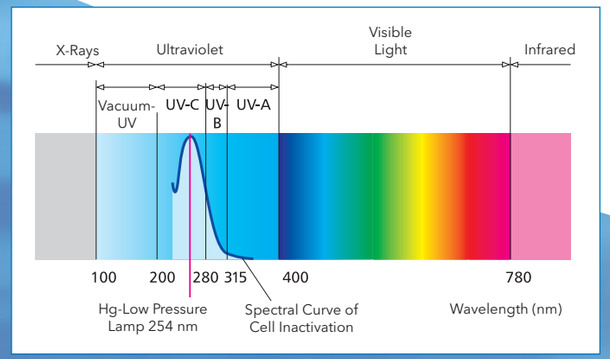
Ultraviolet Light destroys bacteria naturally

Ultraviolet light is a natural component of sunlight, falling just below the visible light region of the electomagnetic spectrum. Higher energy wavelengths of UV light have the unique ability to inactivate microorganisms (bacteria, viruses, cysts, etc.) in water or air, stopping the ability to multiply and cause infection and illness.



UV-radiation is part of the natural sunlight

Unlike chemical disinfectants, which rely on chemical oxidation to disrupt the life functions of microorganisms, UV is simply light energy that cripples the DNA of harmful organisms. By disabling their DNA the life functions of these organisms are interrupted, rendering them harmless. Because no chemicals are involved, you don't have to worry about drinking harmful chemicals or their by-products.



Ultraviolet is light with very high energy levels and a wavelength of 200-400 nm. One of the most effective wavelengths for disinfection is 254 nm. This is the main component of the Aquada UV lamp output.

The benefits of Ultraviolet Disinfection

» **Enhances overall water safety**
Effective inactivation of dangerous organisms that can pass through other treatment processes and reach your tap.

» **No harmful chemicals or by-products**
No residuals or harmful chemical by-products (such as Trihalomethanes) are introduced into the water.

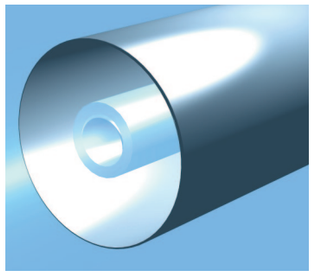
» **No affect on taste and water quality**
UV does not affect the taste, odour or clarity of the water.

» **Simple to install, low maintenance**
Aquada UV systems are easily installed in your household water line following any pretreatment that may be required. UV lamps are easy to replace and only require changing after one full year of use.

» **Economical**
Aquada UV systems require less energy than a typical household light bulb yet can disinfect the entire water flow to your home.

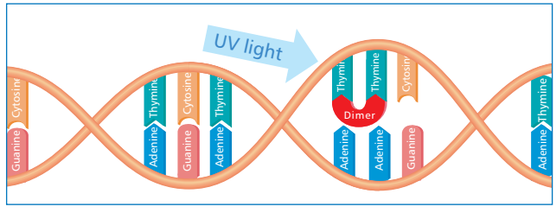


How do Aquada UV systems work?



Radiation geometry of AQUADA UV systems

Using a special quartz glass material, UV lamps are able to generate the exact wavelengths of UV light required for disinfection. Specially designed power supplies and electronic controls operate and monitor these lamps for optimum performance. Aquada UV systems employ this UV lamp technology within precisely engineered stainless steel disinfection chambers. This ensures that the UV energy is distributed effectively as the water passes through the unit. As a result, any harmful organisms present in your water are subjected to a lethal dose of UV energy, courtesy of the Aquada UV.



Ultraviolet light destroys microorganisms by changing their genetic information DNA.