

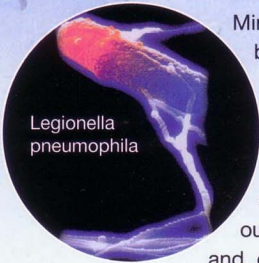


AQUADA UV

**Eliminate bacteria
in your drinking water!**



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.

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

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.

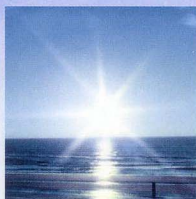
The most effective way to destroy these organisms and prevent the potential for illness is through disinfection of your water at home using ultraviolet (UV) light. Connected to the water supply line in your home, ultraviolet disinfection provides a final barrier to these organisms for your entire house-hold.

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.

**Biodosimetric
tested by the
Hygienic Institute,
University of Bonn**

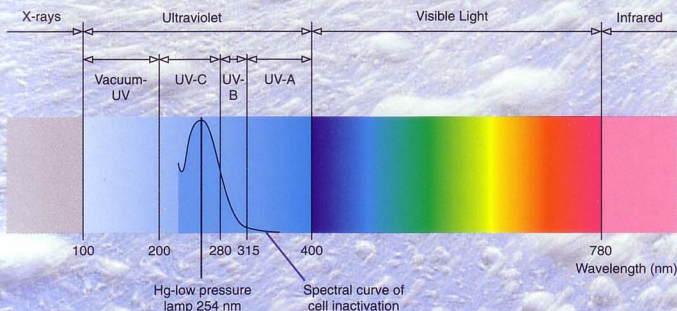
Ultraviolet Light destroys bacteria naturally

Ultraviolet light is a natural component of sunlight, falling just below the visible light region of the electromagnetic spectrum. Higher energy wavelengths of UV light have the unique ability to destroy 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 micro-organisms, 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 destruction 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

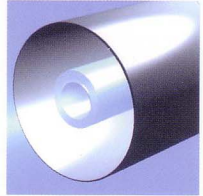
Aquada UV systems are easily installed in your household water line following any pretreatment that may be required. UV lamps are easy to replace and only require changing after one full year of use.

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?

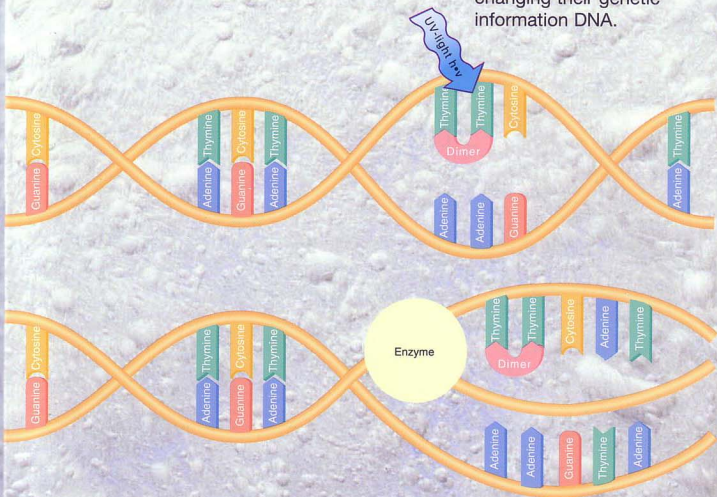
Using a special quartz glass material, UV lamps are able to generate the exact wavelengths of UV light required for disinfection. Specially designed power supplies and electronic controls operate and monitor these lamps for optimum performance.



Radiation geometry of AQUADA UV systems

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.



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.

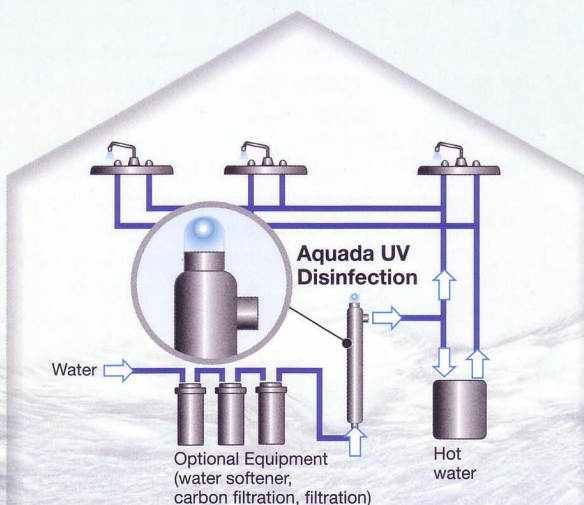


AQUADA UV Model Selection Guide

Features	Altima	Proxima	Maxima
Effective microbiological protection	•	•	•
Biosimetric 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		•	•
Audible alarm buzzer		•	•
Visual alarm display		•	•
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			•

Where do I install my AQUADA UV system?

Depending on the water source for your home or business pre-treatment solution requirements may vary. While other treatment steps can be important for improving the taste, clarity and other characteristics of your water, only UV can provide you with reliable, chemical free disinfection for safety and peace of mind.



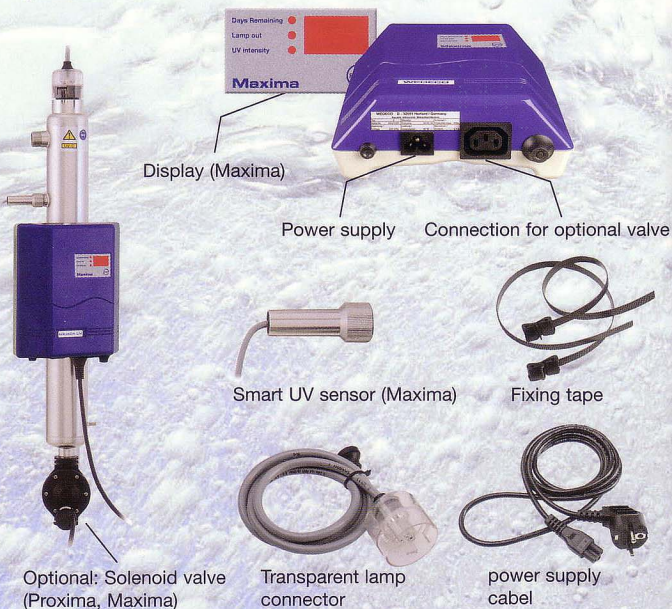
Aquada UV systems are available in five sizes to meet the needs of every household. The maximum flow capacity in your home will determine which size you require. After determining the size required, you may choose the model (Altima, Proxima or Maxima) with the features that match your needs and budget. See the selection chart on the reverse side to review the features of each model.

Aquada UV

Specifications

Type	Aquada1	Aquada2	Aquada4	Aquada7	Aquada10
Flow Rates (m ³ /h)*					
250 Joule/m ²	1.08	2.70	4.65	8.78	13.17
300 Joule/m ²	0.92	2.25	3.87	7.33	10.97
400 Joule/m ²	0.69	1.69	2.90	5.50	8.23
Pipe connection (inches)	1/2"	3/4"	3/4"	1"	1 1/2'
Power(W)	35	55	55	95	95
Dimensions reactor (hwxwd, mm)	470 x90 x70	670 x95 x70	675 x129 x102	1,035 x132 x102	1,040 x180 x140
Weight reactor (kg)	1.7	2.4	3.2	5.0	9.0

- * UV transmission = 98 % per 1 cm at end of lamp life.
- 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.



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