

# AQUADA UV STERILIZING SYSTEM

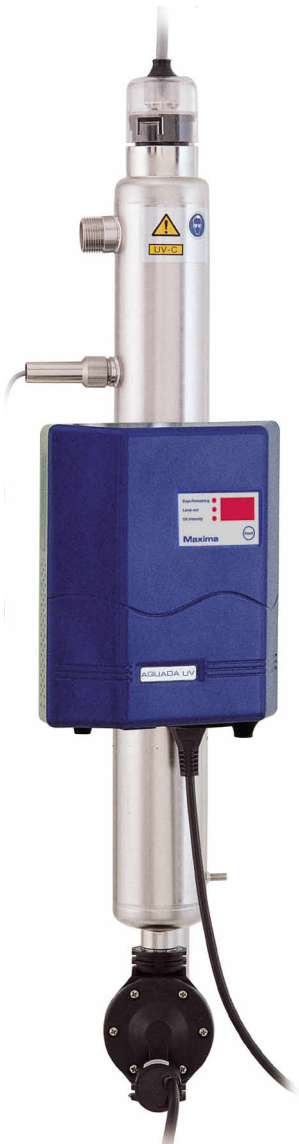
## Overview

Aquada UV systems kill bacteria and viruses making the water suitable for drinking. Pre-filtration is essential for UV systems to work reliably. The degree of pre-filtration will depend on the feed water quality, the minimum requirement for pre-filtration is a 5 micron sediment filter.

Aquada UV Systems are available in 5 sizes covering a flow range up to 10m<sup>3</sup>/hr, all 5 systems are available with 3 choices of monitoring and control, these options are called *Altima*, *Proxima* and *Maxima*.

## Applications

Aquada UV systems are ideal for treating whole house applications for private water supplies with bacteria problems. They also have a wide application in commerce and industry where a sterile water supply needs to be assured.



## How does UV work?

The UV light applied in the water in a very controlled manner produces a photo chemical reaction in the DNA (deoxyribonucleic acid) which either destroys the Microorganisms or their ability to increase.

## Advantages of Aquada UV Systems

- No chemicals added to the water
- Low running costs
- Simple maintenance
- Permanent visual status indication
- Monitoring and control systems on *Proxima* and *Maxima* models

## Why buy an Aquada UV System?

- Advanced design from the worlds largest UV Systems manufacturer
- Precision engineered stainless steel reactor
- Choice of monitor and control system
- Worldwide spares support
- Safe, economical and environmentally friendly

Type	Length	Reactor Diameter	Connections (R=BSP)	Min. free space above reactor	Max. flow rate m <sup>3</sup> /h Intensity = 40 mJ/cm <sup>2</sup> ①	Max. flow rate m <sup>3</sup> /h Intensity = 30 mJ/cm <sup>2</sup> ②
AQUADA 1	470mm	70mm	R 1/2	370mm	0.68	0.90
AQUADA 2	670mm	70mm	R 3/4	570mm	1.70	2.25
AQUADA 4	670mm	101,6mm	R 3/4	570mm	3.00	4.00
AQUADA 7	1030mm	101,6mm	R 1	920mm	5.50	7.00
AQUADA 10	1030mm	140mm	R 1 1/2	920mm	8.30	10.00

① German Standard ② UK Protocol

The Aquada models are available in 5 different sizes with a choice of 3 monitoring and control systems, ALTIMA, PROXIMA and MAXIMA . See specifications above.

### AQUADA models



	ALTIMA	PROXIMA	MAXIMA
Tested and proven disinfection capacity	◆	◆	◆
Electro-polished stainless steel disinfection chamber	◆	◆	◆
High output low pressure UV lamp	◆	◆	◆
High efficient electronic ballast power supply	◆	◆	◆
Glow-cap lamp operation indicator	◆	◆	◆
Safety lamp connector (no lamp removal without lamp shut-off)	◆	◆	◆
Micro-computer control		◆	◆
Audible alarm plus visual alarm display (lamp failure and end of lamp life)		◆	◆
Lamp change reminder with 365 days counter		◆	◆
Alarm and computer reset button		◆	◆
Selective UV monitoring system			◆
Digital UV intensity display: low-medium-high (with separate UV intensity alarm)			◆
Power connection for optional automatic solenoid safety shut-off valve			◆

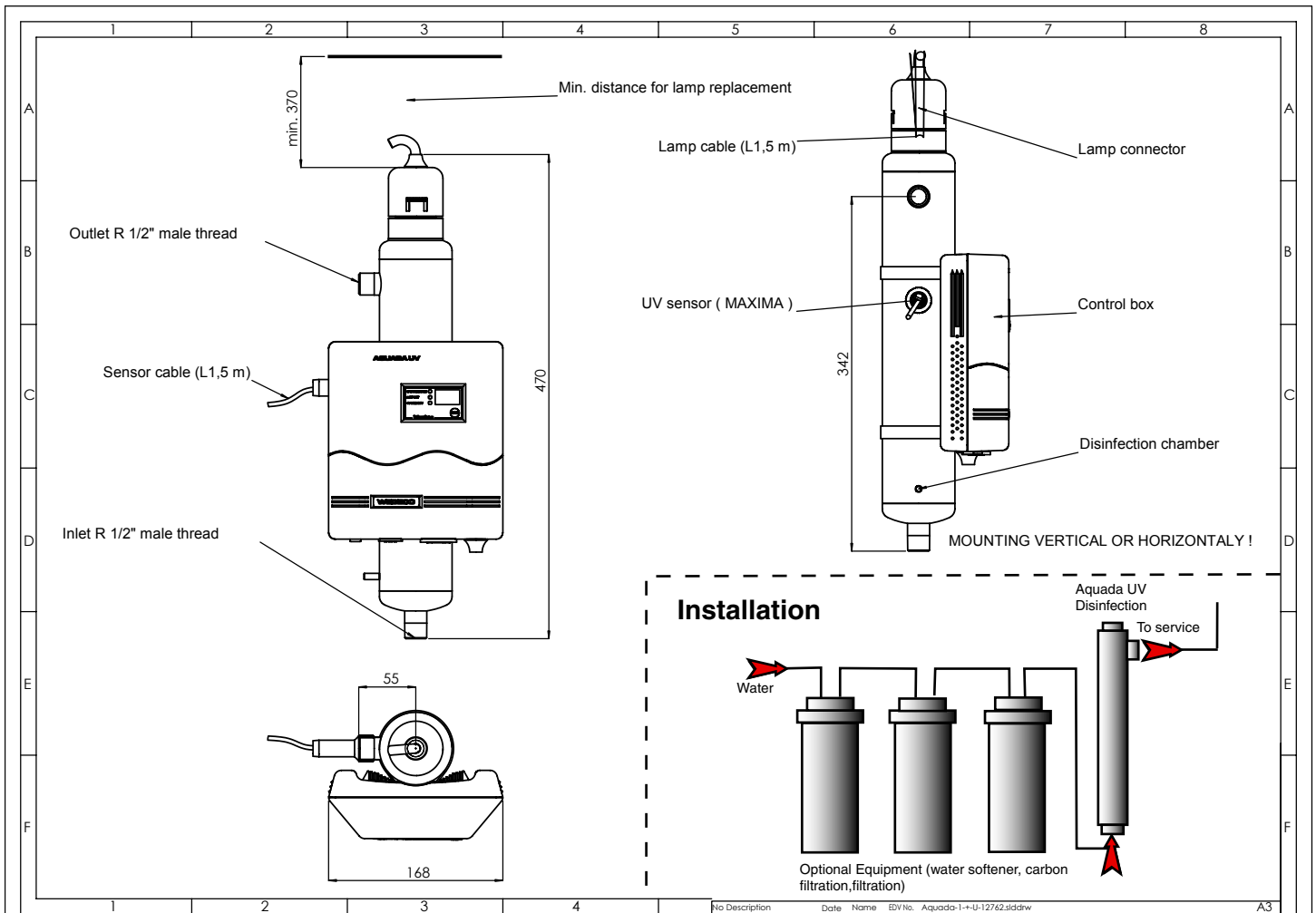


Diagram showing cross section of UV Aquada System