AQUADA ULTRAVIOLET STERILISERS

The Wedeco Aquada range of ultraviolet sterilisers provides a robust, reliable, efficient unit using precisely engineered stainless steel disinfection chambers and employing the latest UV lamp technology.

3 models are available depending on the features required.

Ultraviolet sterilisation works by destroying the genetic structure of the living cells thus preventing their multiplication.

The UV disinfection unit comprises an enclosed chamber with an inner sleeve of high purity quartz, which contains one or more shortwave ultraviolet lamp/s. Water passes through the chamber and is subjected to the UV light which shines through the quartz sleeve. As the genetic structure of bacteria or viruses in the water are exposed to the UV radiation it will be destroyed.

The benefits of Aquada 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.

Model	Aquada1	Aquada2	Aquada4	Aquada7	Aquada10
Lamp Size (Watts)	16.5	40	40	84	84
Flowrate Domestic	12	28	48	92	137
(l/min) Maximum	18	45	77	146	220
Connections (bsp male)	½"	¾"	¾"	1"	1½"
Chamber Dimensions (mm)	470 x 90 x 70	670 x 95 x 70	675 x 129 x 102	1035 x132 x102	1040 x180 x140
Pressure Rating	10 Bar				
Recommended Prefilter	10" Slimline	10" Standard	10" LD	20" LD	20" Bag

Electrical	Power supply 240V 50Hz single phase
	Low voltage DC adapters available
	Control box (ABS) to mount on the chamber or on the wall
	Cable length, UV chamber/control box: 1.5m

UV disinfection units are rated according to the transparency of the water, flow rate and the level of bacteria kill.

The rated domestic flowrate is conservative to ensure effective treatment of all types of spring and well supplies.

The maximum flowrate is only applicable in good quality water and should not be used on domestic water without transparency tests.

Proxima and Maxima models give an indication of lamp life. For Altima models we recommend that the lamp is changed after 8000 hours continuous use (approx 1 year).

It should be noted that elevated concentrations of iron and manganese can reduce the effectiveness of the units and if these metals are know to be a problem further consideration is needed.

Aquada Model Selection Guide

	Altima	Proxima	Maxima
Effective microbiological protection	•	•	•
Biodosimetric tested	•	•	•
Polished stainless steel disinfection chamber	•	•	•
High-intensity, long life UV lamps	•	•	•
Attractive, moulded 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			•

Filtration:

It is important that sediment in the water does not obstruct the UV light and so we strongly advise that a 5 micron sediment prefilter is fitted before the steriliser. The recommended size of prefilter is shown on the above table and we can supply a suitable kit.

Water-purifiers.co.uk
Penstar
Rhoshill
Cardigan
SA43 2TX

Tel: 0845 129 7253
Fax: 0870 746 8909

info@water-purifiers.co.uk

www.water-purifiers.co.uk