

► Applications

- Swimming pool and spa disinfection

► Main characteristics

- Ozone systems producing up to 0.5 g/h for swimming pool and spa disinfection



The UV250 and 500 range provides residential swimming pools with a cost effective ozone disinfection system for improved water quality.

## MAIN FEATURES

- Safely lowers free chlorine residual
- Effective against chlorine resistant micro-organisms
- Reduced skin and eye irritation
- Very low THM levels
- Significant improvement in water clarity
- Easy UV lamp replacement and cleaning
- Simple to install and operate with minimal plant room space requirements

## OZONE TECHNOLOGY: UV OZONE SYSTEMS

The UV250 and UV500 range is designed for disinfection of residential spas and swimming pools. Ozone provides effective treatment against chlorine resistant micro-organisms and significantly improves water clarity.

The range incorporates one or two high intensity UV lamps which are used for ozone production.

Ozone output of the UV250 is 0.25 g/h and the output of the UV500 is 0.5 grams/hour.

## HOW IT WORKS

Ozone is produced when ambient air passes over one (UV250) or two (UV500) high intensity UV lamps. The systems operate under vacuum conditions created by a water driven venturi ensuring maximum safety in operation.

Designed for long term reliability and easy operation, the units incorporate an ozone resistant gas tight compartment inside which the UV lamps are located.

## TECHNICAL DATA

UV OZONE SYSTEMS Model	Ozone Output	Maximum Pool Volume	
	g/h	m <sup>3</sup>	US Gallons
UV250	0.25	70	18 500
UV500	0.50	140	37 000

### ► Materials

- **UV250 and UV500:** mild steel, epoxy coated.

### ► Standards

- **BS EN ISO 9002:94**  
- **CE Approval**

### ► Remote controls and alarms

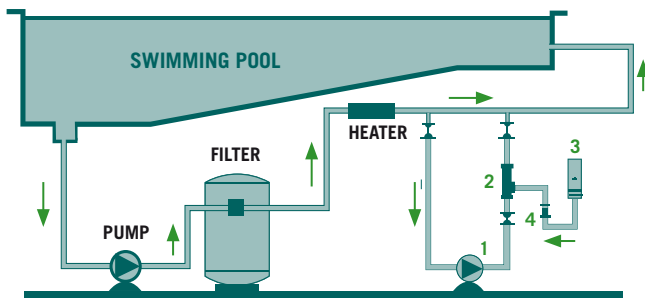
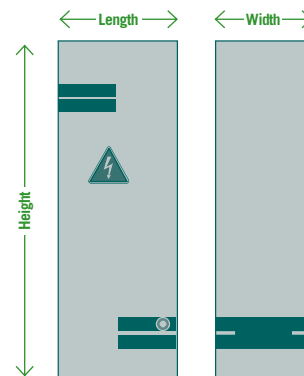
- **Ozone On:** red illuminator switch

### ► Options

- **Booster pump**  
- **Ozone Injector**  
- **Vent destructor**  
- **Degasser unit**

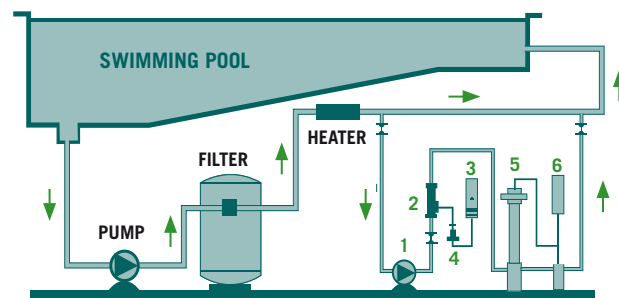
## DIMENSIONS

UV OZONE SYSTEMS Model	l x h x w		Weight
	mm	inch	
UV250	115 x 440 x 110	4.5 x 17.3 x 4.3	3.5/7.71
UV500	115 x 440 x 110	4.5 x 17.3 x 4.3	3.8/8.37



1 - BOOSTER PUMP  
2 - OZONE INJECTOR  
3 - OZONE GENERATOR  
4 - NON-RETURN VALVE

### RECOMMENDED INSTALLATION WITHOUT DEGASSING



1 - BOOSTER PUMP  
2 - OZONE INJECTOR  
3 - OZONE GENERATOR  
4 - NON-RETURN VALVE  
5 - DEGASSER UNIT  
6 - VENT DESTRUCTOR

### RECOMMENDED INSTALLATION WITH DEGASSING



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