

# A UV System for everyone.

Ultraviolet Disinfection System for Residential and Commercial Applications

WEDECO DLR SERIES  
ULTRAVIOLET DISINFECTION  
SYSTEMS



UV System

Distributed by:

**Hydrotech**   
Your clear choice in water treatment.

# World's leading UV Disinfection System

WEDECO manufactures a complete line of point of entry (POE) ultraviolet disinfection systems for residential and commercial applications. WEDECO DLR Series ultraviolet systems have been designed with the highest quality construction and innovative features.

The DLR Series is available in three different configurations, each with different models to meet every budget and flow requirement. The economical Model A comes complete with LED power and lamp out indicators, in addition to an audible alarm. For a small premium, AP models offer the benefits of a microcomputer controller, providing automatic notification when it's time to replace the lamp, and a push button for system reset. In addition to all this, the top of the line M model features a highly accurate, UV specific (254 nm) lamp output intensity monitor and status indication to meet the most stringent NSF Standard-55 Class A requirements for ultraviolet systems. Also, both AP and M models have the option of adding a solenoid output to shut off the water in an alarm condition.

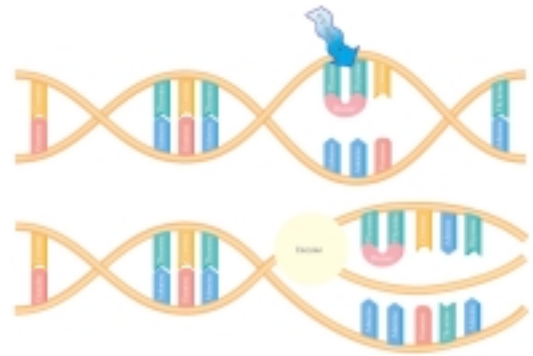
## Why purchase a WEDECO UV System?

Wedeco's technical and manufacturing capabilities coupled with a solid financial foundation, allows the company to stand behind the products.

A total of thirteen models to choose from across five flow ranges in "economy", "mid-range" and "premium" configurations.



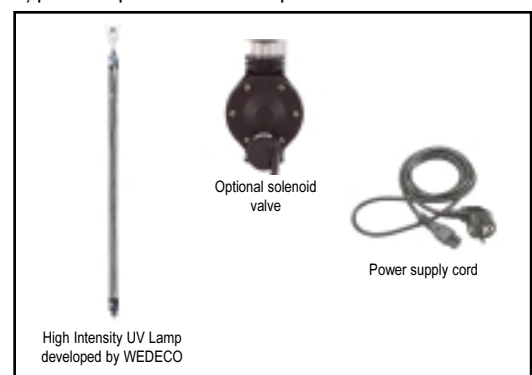
UV destroys microorganisms by disrupting their DNA



UV is part of our natural sunlight



Typical Replacement Components



## Glo-Cap™ and Saf-T-Cap™ lamp connection system

Our combination Glo-Cap™ and Saf-T-Cap™ lamp connection system is both stylish and safe. The Glo-Cap™ provides an attractive blue glow (blue light only – no UV escapes the unit) in a darkened room or at night, providing at a glance assurance to the homeowner that his or her UV system is working away to protect their family from microorganisms. Additionally, the Saf-T-Cap™ lamp connection mechanism provides convenient access for lamp replacement (a simple twist unlocks the cap) while automatically disconnecting the lamp upon cap removal. This safety feature prevents removal of an operating UV lamp from the disinfection chamber. While no UV system should be sold without this safety feature, there are many products on the market that do not provide this basic requirement.

## High quality construction

The DLR Series ultraviolet systems are the highest quality brands on the market. The UV specific lamp output monitor ensures proper UV dosing under all conditions with our premium unit (Model M only).

## High quality, UV specific lamp output monitor to ensure proper UV dosing under all conditions with our premium unit (Model M only)

For applications that require NSF Standard-55 Class A certification, or just for homeowners that want the top of the line in performance and safety, Model M units feature our highly accurate, UV specific (at the critical 254 nm wavelength) lamp output monitor. This device continuously monitors the ultraviolet intensity reaching the disinfection chamber wall (the furthest point from the UV lamp). As a result, it automatically reacts to changes in UV intensity within the unit that may be caused by normal lamp aging, or abnormal quartz sleeve fouling or water quality changes. This provides a second level of protection. Not only can you be sure that the unit is operating effectively, but also that the unit is always delivering the right dose for protection.

## Automatic system operational status and alarm indication

All DLR products provide positive indication that the unit is powered and operating, and audible and visual alarms in the case of a lamp failure. In addition, AP and M models provide the added feature of automatic lamp replacement notification so you know when to change the UV lamp. This ensures that the system will always operate as intended, and prevents possible under-doing in the event the lamp is not changed on time.

## Warranty

The WEDECO DLR Series ultraviolet systems are backed by a full 1 year warranty on the entire unit, 10 years on the disinfection chamber, 2 years on all electrical components and 1 year on the UV lamp and expendable components.



# Selection Guide

Features \ Model	DLR A-Series	DLR AP-Series	DLR M-Series
Effective microbiological protection	●	●	●
NSF Standard-55 Class A			●
Polished stainless steel disinfection chamber	●	●	●
High-intensity, long life UV lamps	●	●	●
High performance electronic supply	●	●	●
Lamp operation indicator	●	●	●
Glo-Cap indicates lamp operation	●	●	●
Saf-T-Cap lamp connector	●	●	●
Micro-computer controller		●	●
Audible alarm buzzer	●	●	●
Visual alarm readout	●	●	●
Push button alarm/computer reset		●	●
Optional automatic safety shut-off valve		●	●
UV intensity monitor and LED readout			●
Automatic Lamp Replacement Notification		●	●

## Technical Specifications

### DLR A-Series

Note 2

Item #	Model	Flow Rates (GPM) at UV Dosage			Pipe Connection Size (Inches)	Dimensions (Inches)	Power (Volts/Hz/Amps)	Vessel Weight (Lbs.)	Shipping Weight (Lbs.)
		≥40 mJ/cm <sup>2</sup>	≥30 mJ/cm <sup>2</sup>	≥16 mJ/cm <sup>2</sup>					
8700	A1	4	5	10	1/2"	3D x 17H	120/60/0.3	5	11
8701	A2	10	13	25	3/4"	3D x 25H	120/60/0.5	6	14
8702	A4	18	24	45	3/4"	4D x 25H	120/60/0.5	8	16

### DLR AP-Series

Note 2

Item #	Model	Flow Rates (GPM) at UV Dosage			Pipe Connection Size (Inches)	Dimensions (Inches)	Power (Volts/Hz/Amps)	Vessel Weight (Lbs.)	Shipping Weight (Lbs.)
		≥40 mJ/cm <sup>2</sup>	≥30 mJ/cm <sup>2</sup>	≥16 mJ/cm <sup>2</sup>					
8703	AP1	4	5	10	1/2"	3D x 17H	120/60/0.3	5	11
8704	AP2	10	13	25	3/4"	3D x 25H	120/60/0.5	6	14
8705	AP4	18	24	45	3/4"	4D x 25H	120/60/0.5	8	16
8706	AP7	30	40	75	1"	4D x 38H	120/60/1.0	12	23
8707	AP10	40	53	100	1-1/2"	6D x 40H	120/60/1.0	20	27

### DLR M-Series

Note 1,2

Item #	Model	Flow Rates (GPM) at UV Dosage			Pipe Connection Size (Inches)	Dimensions (Inches)	Power (Volts/Hz/Amps)	Vessel Weight (Lbs.)	Shipping Weight (Lbs.)
		NSF Class A Approved UV Dose ≥40 mJ/cm <sup>2</sup>	≥30 mJ/cm <sup>2</sup>	≥16 mJ/cm <sup>2</sup>					
8708	M1	4	5	10	1/2"	3D x 17H	120/60/0.3	5	11
8709	M2	10	13	25	3/4"	3D x 25H	120/60/0.5	6	14
8710	M4	18	24	45	3/4"	4D x 25H	120/60/0.5	8	16
8711	M7	30	40	75	1"	4D x 38H	120/60/1.0	12	23
8712	M10	40	53	100	1-1/2"	6D x 40H	120/60/1.0	20	27

Notes:

- Models M1, M2, M4 and M7 are NSF Class-A Certified
- Hydrotech recommends that all systems be sized for the flow rate given at a minimum UV Dose of ≥30mJ/cm<sup>2</sup> with the exception of the DLR M Series, Models M1-M7 which are NSF Certified to ≥40mJ/cm<sup>2</sup> and are supplied with a flow control for this UV dose.



Wedeco UV Technologies products are distributed by Hydrotech.

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