

# Disinfection Series

**Disinfection, Ultrapure, AOP & Ozone Destruct**  
Pharmaceutical • Microelectronics • Medical • Remediation • Beverage  
Commercial/Industrial • Pool/Spa • Waste Water • Drinking Water • AOP



The NeoTech Aqua Disinfection Series is specially designed to disinfect water and is an essential component in advanced oxidation processes.

These high-efficiency UV systems utilize NeoTech Aqua's patented ReFlex™ chamber technology, reflecting over

99% of the 254nm UV generated. They are the highest efficiency, smallest footprint, and lowest operating cost UV systems in the water treatment industry.

With only one or two lamps, the NeoTech Aqua Disinfection Series provides users the most convenient and lowest cost service schedule of any low pressure or medium pressure UV systems today.

## Maximum UV Penetration

The NeoTech Disinfection Series provides users an unparalleled level of engineering sophistication by maximizing UV distribution in a patented 99% reflective chamber. This unique technical advantage also reduces the number of lamps and power requirements by up to 90% compared to standard UV systems.

## Minimal Maintenance and Service

The service and maintenance requirements for the NeoTech Disinfection Series are limited to three basic requirements:

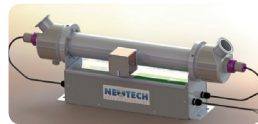
- Lamp Replacement: No Tools Required
- UV Monitor: May be changed with a single screwdriver while the system is operating
- Cleaning: May be cleaned as needed in a CIP loop or manually brushed.

## Unparalleled Efficiency

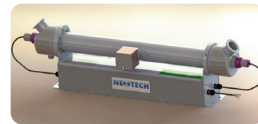
The NeoTech Disinfection Series boasts the smallest footprint in its class. With as few as one-tenth as many bulbs compared to standard UV systems, it has the lowest operating cost and maintenance schedule in the field.

## Product Benefits

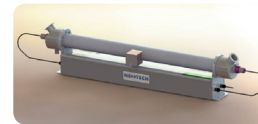
- 75% smaller footprint compared to standard UV systems
- May be mounted vertically or horizontally
- Up to four units may be controlled with a single micro-control box
- Built for 120V or 230V single phase power providing maximum flexibility
- No Flow, No Problem™ — guaranteed 60 minutes
- Water contact finish — Ra-15
- Controller — Remote
- Alarms, Remote Control, 4-20 mA output
- Real time dosimetry, 100% dosage assurance — with constant flow
- UV monitor is NIST traceable
- Sanitization in place — hot water or steam
- No-tool lamp change
- NSF Standard 50 certified
- Warranty one year parts and labor



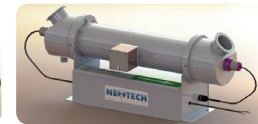
NEOTECH D222



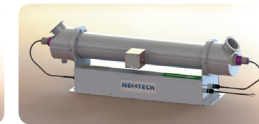
NEOTECH D228



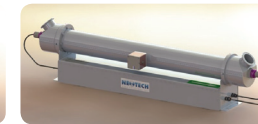
NEOTECH D238



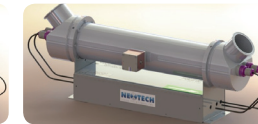
NEOTECH D322



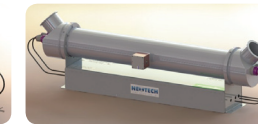
NEOTECH D328



NEOTECH D338



NEOTECH D428



NEOTECH D438

## SPECIFICATIONS

	NEOTECH D222	NEOTECH D228	NEOTECH D238	NEOTECH D322	NEOTECH D328	NEOTECH D338	NEOTECH D428	NEOTECH D438
Flow Rate - gpm (m <sup>3</sup> /hr.) - 95% UVT @ 40mJ/cm <sup>2</sup>	30 (6.8)	38 (8.6)	65 (15)	100 (22.7)	138 (31.3)	200 (45.4)	226 (51.3)	329 (74.7)
Number of High Output Amalgam Lamps	1	1	1	1	1	1	2	2
Lamp Life - Hours*	9000	9000	9000	9000	9000	9000	9000	9000
Operating Power - watts (includes control box)	98	120	154	98	120	120	235	303
Operating Pressure - psi (bar)	150 (13)	150 (13)	150 (13)	150 (13)	150 (13)	150 (13)	150 (13)	150 (13)
Dry Weight - pounds (kg)	29.8 (13.5)	33 (19.0)	42 (19.1)	37.8 (17.2)	43 (19.5)	51.4 (23.4)	54.8 (24.9)	63 (28.6)
Dimensions (L x H x D) - inches	24.0 x 6.2 x 8.2	30.0 x 6.2 x 8.2	39.9 x 6.2 x 8.2	23.2 x 7.4 x 9.0	30.1 x 7.4 x 9.0	40.1 x 7.4 x 9.0	30.6 x 7.9 x 11.4	40.6 x 7.9 x 11.4
Dimensions (L x H x D) - millimeters	609 x 158 x 208	762 x 158 x 208	1014 x 158 x 208	590 x 189 x 230	765 x 189 x 230	1019 x 189 x 230	776 x 201 x 290	1030 x 201 x 290

\* Lamp life is based on a maximum of one on/off cycle per day and room temperature water.

