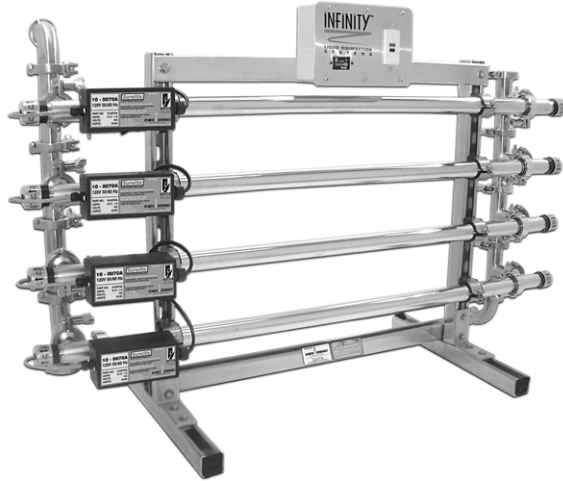


The Solution for Liquid Disinfection

INFINITY™

LIQUID DISINFECTION SYSTEMS



INFINITY™ Liquid Disinfection Systems are specialized ultraviolet disinfection systems capable of conveniently and effectively disinfecting liquid with relatively high ultraviolet absorbency.

GERMICIDAL ULTRAVIOLET:

Since 1963, Atlantic Ultraviolet Corporation has manufactured ultraviolet equipment and systems in the USA. Over the years, Atlantic Ultraviolet Corporation has pioneered the discovery and development of beneficial uses of ultraviolet energy. These efforts have led to the development of valuable, cost effective and environmentally sound techniques and products now known and utilized throughout the world. An ever-growing range of industries and consumer applications have found ultraviolet to be the ideal solution for their liquid treatment needs.

USES AND APPLICATIONS:

The INFINITY™ Liquid Disinfection System is the result of an intensive development effort by some of the most experienced engineers in the ultraviolet disinfection industry. Experience has shown that standard designs are ineffective for fluids with a high ultraviolet absorbance, and it became clear that a specially designed disinfection (system) was required to allow a convenient and effective treatment of these more difficult fluids. As a result of these efforts, the **INFINITY™ Liquid Disinfection System** is capable of delivering outstanding results, even where other systems fail.

Examples of liquids that can be successfully disinfected include liquid sugars and sweeteners, re-circulated process water, water based lubricants, fruit drinks and juices.



Tel: 631.273.0500 • Fax: 631.273.0771 • Email: info@atlanticuv.com
375 Marcus Boulevard • Hauppauge, NY 11788

The information and recommendations contained in this publication are based upon data collected by Atlantic Ultraviolet Corporation and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

Specifications and information are subject to change without notice.

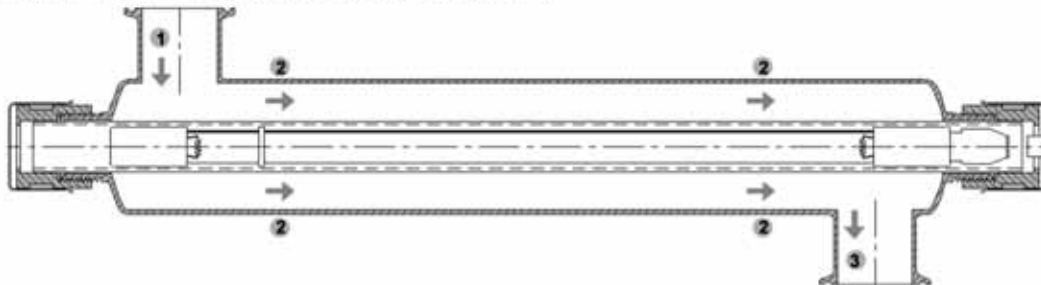
Document No. 98-1097/10-00 • ©2000 by Atlantic Ultraviolet Corporation

Extensive Product Information, Fast Quotes and Purchasing Available 24/7 at: www.atlanticuv.com

INFINITY™

LIQUID DISINFECTION SYSTEMS

METHOD OF OPERATION of the INFINITY™:



- 1 - Liquid enters the INFINITY™ Disinfection system and flows into the annular space between the quartz sleeve and the chamber wall.
- 2 - Within the chamber, liquid is exposed to high intensity germicidal ultraviolet radiation.
- 3 - Liquid leaving the purifier is instantly ready for use.

SPECIAL FEATURES of the INFINITY™:

Genuine **STER-L-RAY™ Slimline Germicidal Lamps** are instant starting and provide the utmost in quality, sustained output and longevity. Approximately 95% of the ultraviolet energy emitted from **STER-L-RAY™ Germicidal Lamps** is at the mercury resonance line of 254 nanometers. This wavelength is in the region of maximum germicidal effectiveness and is highly lethal to virus, bacteria and mold spores.



Surelite™ Electronic Ballasts are state-of-the-art electronic ballasts developed specifically for operation of ultraviolet lamps. **Surelite™** instant start ballasts are smaller, lighter, more efficient and operate cooler than magnetic ballasts. These ballasts are silent and provide higher lamp output.



The Stainless Steel housing provides unparalleled strength, durability, and beauty. The attractive brushed exterior finish stands up to even the harshest environments, while the reflective interior surface improves output to the treated liquid. The Modular Design allows an increase or decrease of ultraviolet dosage and or a change in flow rate.

The Sanitary Fittings, provide easy assembly, leak proof connections and can be rotated 360 degrees to accommodate flow direction. Both assembly and disassembly require no tools. The Sanitary Fittings are also easily cleaned and are made from Stainless Steel Type 316.



ADVANTAGES of the INFINITY™:

- **EFFECTIVE** - virtually all microorganisms are susceptible to INFINITY™ disinfection
- **ECONOMICAL** - hundreds of gallons can be purified for each penny of operating cost
- **SAFE** - no danger of overdosing, no addition of dangerous chemicals
- **FAST** - liquid is ready for use as soon as it leaves the purifier
- **VERSATILE** - modular design enables configuration of the system to accommodate changes in flow rate or liquid characteristics

INFINITY™

LIQUID DISINFECTION SYSTEMS

METHOD OF OPERATION of the INFINITY™:

Model	Flow Rate at 40,000µwsec/cm2 for clean water applications	Dimensions*			Replacement Lamp
		Length	Width	Height	
IN3115	0.5 gpm	12-1/8"	4-3/8"	3-1/4"	05-0220
IN5815	1.0 gpm	18-1/8"	4-3/8"	3-1/4"	05-0221
IN8515	1.5 gpm	24-1/8"	4-3/8"	3-1/4"	05-0222
IN13815	2.0 gpm	36-1/8"	4-3/8"	3-1/4"	05-1016
IN19315	3.0 gpm	48-1/8"	4-3/8"	3-1/4"	05-0223
IN25015	4.0 gpm	64-1/8"	4-3/8"	3-1/4"	05-1313A
IN3125	1.0 gpm	12-7/8"	5-7/8"	4-1/8"	05-0220
IN5825	2.0 gpm	18-7/8"	5-7/8"	4-1/8"	05-0221
IN8525	4.0 gpm	24-7/8"	5-7/8"	4-1/8"	05-0222
IN11225	5.0 gpm	30-7/8"	5-7/8"	4-1/8"	05-0090
IN13825	7.0 gpm	36-7/8"	5-7/8"	4-1/8"	05-1016
IN19325	9.0 gpm	48-7/8"	5-7/8"	4-1/8"	05-0223
IN25025	12.0 gpm	64-7/8"	5-7/8"	4-1/8"	05-1313A

• 120 Volt 60 Hz and 220 Volt 50 Hz units are standard.

• 12 and 24 Volt DC units also available.

* Dimensions are for individual units with ballast

• INFINITY™ is available for operation on public power supplied throughout the world.

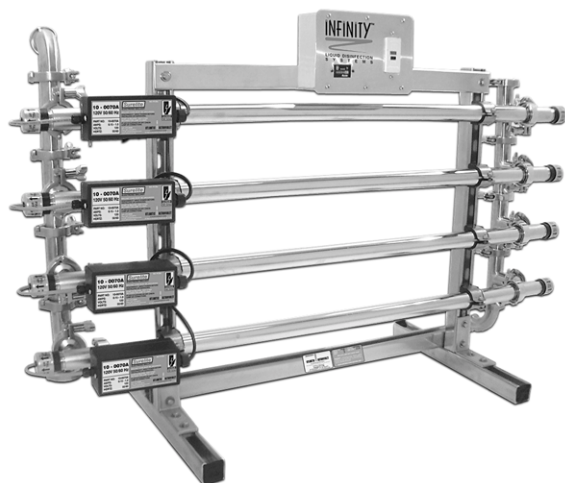
• Consult factory with specific power requirements

METHOD OF OPERATION of the INFINITY™:

Lamp No.	Model No.	Lamp Length	1 Power Consumption	2 Ultraviolet Output	Rated Average Effective Life
05-0220	IN3115, IN3125	9-7/8" (250 mm)	10 Watts	3.1 Watts	10,000 Hours
05-0221	IN5815, IN5825	15-7/8" (403 mm)	17 Watts	5.8 Watts	10,000 Hours
05-0222	IN8515, IN8525	21-7/8" (556 mm)	25 Watts	8.5 Watts	10,000 Hours
05-0090	IN11225	27-7/8" (708 mm)	32 Watts	11.2 Watts	10,000 Hours
05-1016	IN13815, IN13825	33-7/8" (860 mm)	39 Watts	13.8 Watts	10,000 Hours
05-0223	IN19315, IN19325	45-7/8" (1165 mm)	50 Watts	19.3 Watts	10,000 Hours
05-1313A	IN25015, IN25025	61-7/8" (1572 mm)	65 Watts	25.0 Watts	10,000 Hours

1 Wattage is lamp watts only and does not include ballast loss

2 Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).



Four-IN19315 are shown above

Extensive Product Information, Fast Quotes and Purchasing Available 24/7 at: www.atlanticuv.com