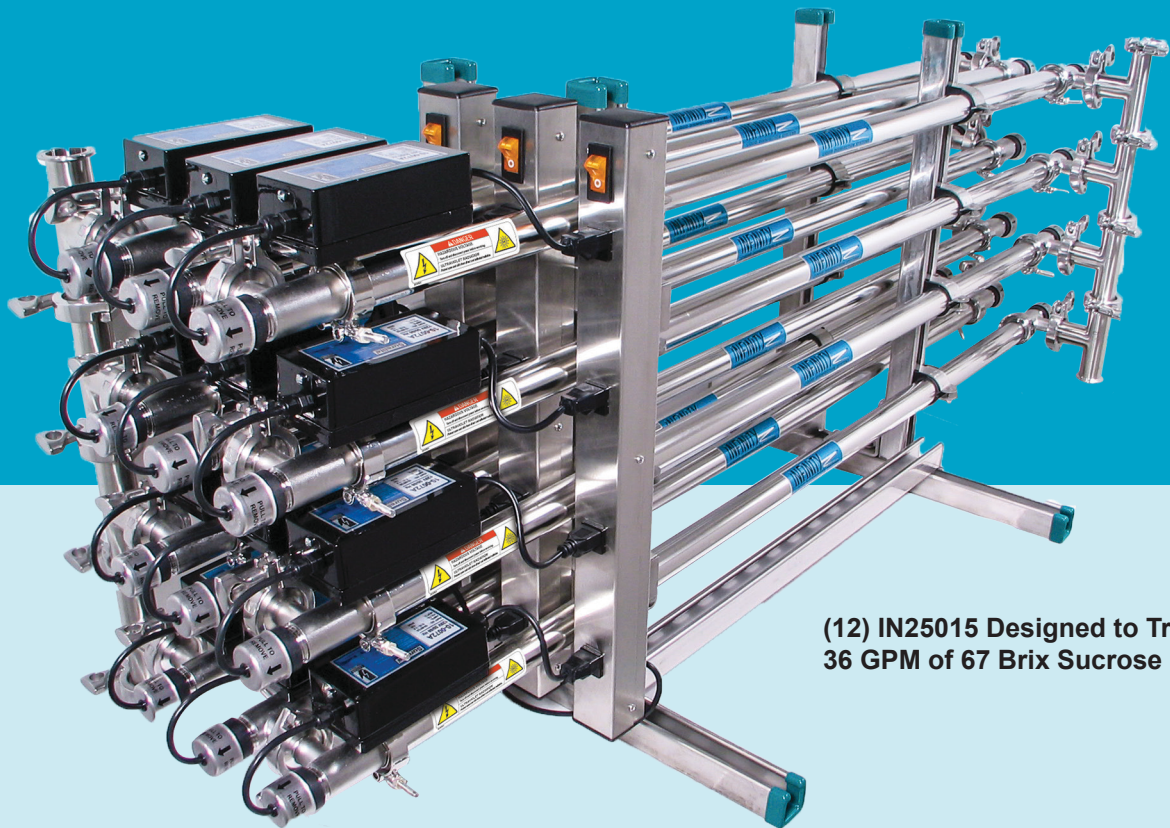


INFINITY™

GERMICIDAL ULTRAVIOLET LIQUID DISINFECTION SYSTEMS



(12) IN25015 Designed to Treat
36 GPM of 67 Brix Sucrose



ATLANTIC ULTRAVIOLET
CORPORATION® SINCE 1963

ABOUT US

Since 1963, Atlantic Ultraviolet Corporation® has pioneered the discovery and development of beneficial uses of ultraviolet energy. Over the years, these efforts have led to the development of valuable, cost-effective and environmentally sound techniques and products

now known and respected throughout the world. Atlantic Ultraviolet's application specialists assist customers in the selection of germicidal lamps and equipment. Their specialized knowledge is a valuable resource in formulating effective and cost-conscious germicidal ultraviolet solutions. Extensive inventories and a dedicated staff enable Atlantic Ultraviolet to fulfill its commitment to provide fast deliveries and responsive customer service.



USES & 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. 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 DISINFECTED BY INFINITY™



Liquid Sugars and Sweeteners



Re-Circulated Process Water



Fruit Drinks and Juices



Water Based Lubricants

ADVANTAGES

Effective

Virtually all microorganisms are susceptible to **INFINITY™** ultraviolet disinfection

Safe

No danger of overdosing, no addition of chemicals

Fast

Liquid is ready for use as soon as it leaves the purifier – no further contact time required

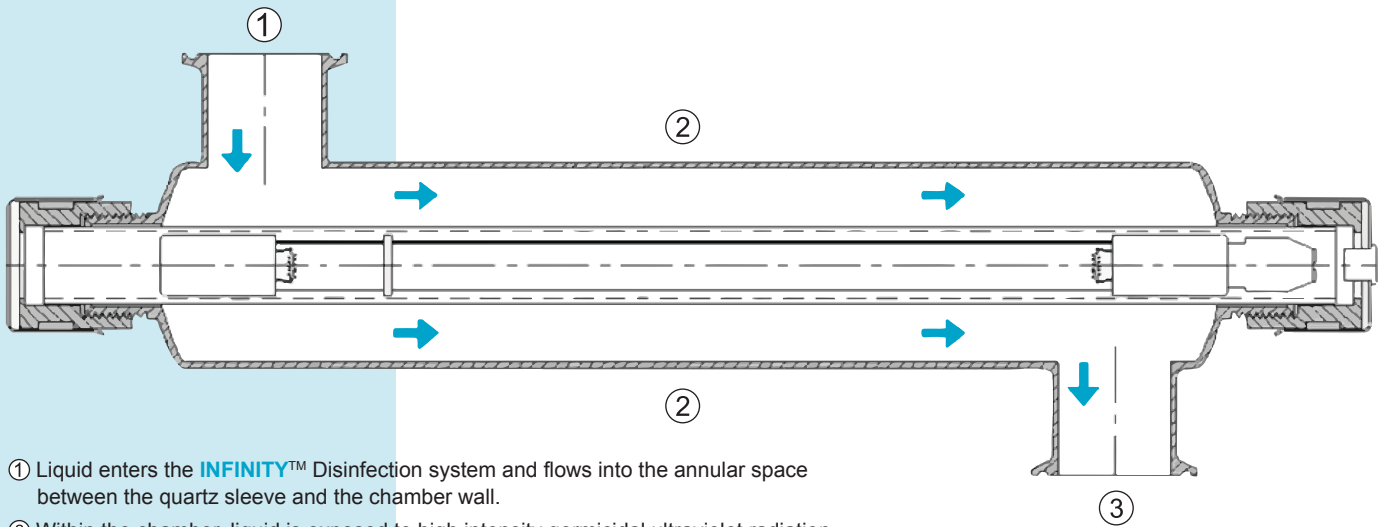
Versatile

Modular design enables configuration of the system to accommodate changes in flow rate or liquid characteristics.



Model (4) IN19315

PRINCIPLE OF OPERATION



- 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

Genuine **STER-L-RAY®** Slimline Germicidal Lamps

These low-pressure tubes provide the utmost in quality, sustained output, and longevity. Approximately 95% of the ultraviolet energy emitted from **STER-L-RAY®** Germicidal Lamps is at 254 nanometers. This wavelength is in the region of maximum germicidal effectiveness and is highly lethal to viruses, bacteria, and mold spores. *(not shown)*

Fused Quartz Sleeve

Ensures optimum lamp output at normal potable water temperature *(not shown)*

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 in ultraviolet dosage and/or a change in flow rate.

Sanitary Fittings

Provide easy assembly, leak proof connections, and can be rotated 360° to accommodate flow direction.

Dual Heads

Constructed of type 316 stainless steel, chamber heads may be removed, rotated, and individually oriented for versatility during installation.

Surelite™ Electronic Ballasts

Are state-of-the-art electronic ballasts developed specifically for operation of ultraviolet lamps. Versatile ballasts provide high lamp output; are lightweight, efficient, and operate cool for longer life. *(not shown)*

Multiple mounting options available.



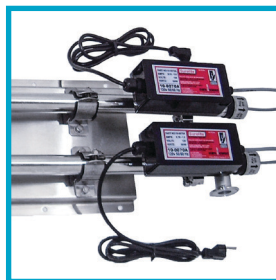
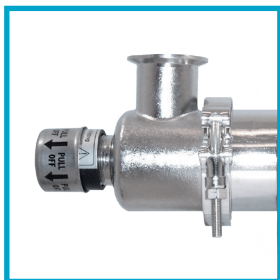
SPECIFICATIONS—INFINITY™ UV-C LIQUID DISINFECTION SYSTEM

Model	Flow Rate at 40.0 mJ/cm ² 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"	05-0223

- 120v 60Hz and 220v 50Hz units are standard.
- 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.

Lamp No.	Model No.	Lamp Length	① Power Consumption	② Ultraviolet Output	Rated Average Effective Life
05-0220	IN3115,IN3125	9-7/8"(250mm)	10 Watts	3.1 Watts	10,000 Hours
05-0221	IN5815,IN5825	15-7/18"(403mm)	17 Watts	5.8 Watts	10,000 Hours
05-0222	IN8515,IN8525	21-7/8"(556mm)	25 Watts	8.5 Watts	10,000 Hours
05-0090	IN11225	27-7/8"(708mm)	32 Watts	11.2 Watts	10,000 Hours
05-1016	IN13815,IN13825	33-7/8"(860mm)	39 Watts	13.8 Watts	10,000 Hours
05-0223	IN19315,IN19325	45-7/8"(1165mm)	50 Watts	19.3 Watts	10,000 Hours
05-1313A	IN25015,IN25025	61-7/8"(1165mm)	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°F (approximate)



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The Standard of Excellence in Ultraviolet
 Manufacturers / Engineers / Sales / Service
 Germicidal Ultraviolet – Equipment & Lamps

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