

# MINIPURE<sup>®</sup>

ULTRAVIOLET WATER PURIFIERS



**MINIPURE<sup>®</sup>**  
ULTRAVIOLET WATER PURIFIERS

MANUFACTURED BY:  
**ATLANTIC ULTRAVIOLET**  
CORPORATION  
THE STANDARD OF EXCELLENCE IN ULTRAVIOLET  
375 Marcus Boulevard  
Hauppauge, NY 11788  
631.273.0500 • Fax: 631.273.0771  
e-mail: info@atlultraviolet.com • www.ultraviolet.com

MODEL NO.: MIN-6  
MAX. FLOW RATE: 6 GPM  
REPLACE LAMP ONCE EVERY YEAR  
WARNING - ULTRAVIOLET RAYS ARE  
HARMFUL TO EYES AND SKIN. DISCONNECT  
POWER BEFORE SERVICING. DO NOT EXCEED  
100 PSI WATER PRESSURE.  
EPA NO. 46477NY001  
READ INSTRUCTIONS BEFORE USE!

## ULTRAVIOLET WATER PURIFIERS

## ADVANTAGES

### Effective

All microorganisms are susceptible to **MINIPURE**® ultraviolet disinfection.

### Economical

Hundreds of gallons are purified for each penny of operating cost.

### Safe

No danger of overdosing, no addition of chemicals.

### Fast

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

### Easy

Simple installation and maintenance. Compact units require minimum space.

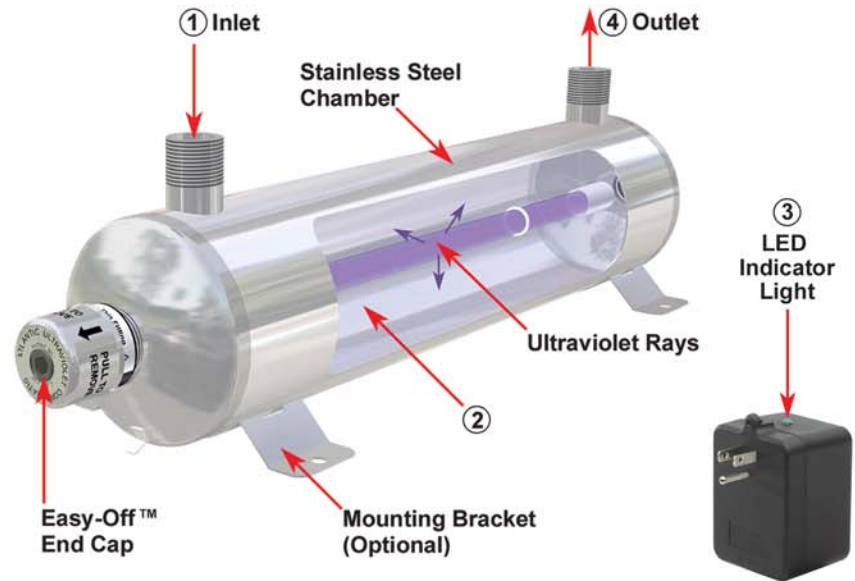
### Automatic

Provides continuous or intermittent disinfection without special attention or measurement.

### Chemical Free

No chlorine taste or corrosion problems.

## PRINCIPLE OF OPERATION



- ① Water enters the purifier and flows into the annular space between the quartz sleeve and the chamber wall.
- ② Within the chamber, water is exposed to intense germicidal ultraviolet radiation.
- ③ Transformer with LED indicator light provides visual indication of germicidal lamp operation.
- ④ Water leaving the purifier is instantly ready for use.

## SPECIFICATIONS FOR STANDARD MODELS

MODEL	Gallons per Minute	Gallons per Hour	Inlet and Outlet <sup>①</sup>	Replacement Lamps	Power Consumption <sup>②</sup>	UNIT DIMENSIONS (Inches)			SHIPPING DATA	
						Length	Width	Height	Gross Wt. (lbs.)	Net Wt. (lbs.)
MIN-1	1	60	1/4" NPT	05-1119	14 Watts	12 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	3	6	5
MIN-1.5	1.5	90	1/4" NPT	05-1366	16 Watts	15 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	3	7	6
MIN-3	3	180	3/4" NPT	05-1366	16 Watts	16 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>4</sub>	5 <sup>9</sup> / <sub>16</sub>	10	9
MIN-6	6	360	3/4" NPT	05-1370	24 Watts	22 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>4</sub>	5 <sup>9</sup> / <sub>16</sub>	11	10
MIN-9*	9	540	3/4" NPT	05-0097A	34 Watts	29 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>	5 <sup>9</sup> / <sub>16</sub>	14	12

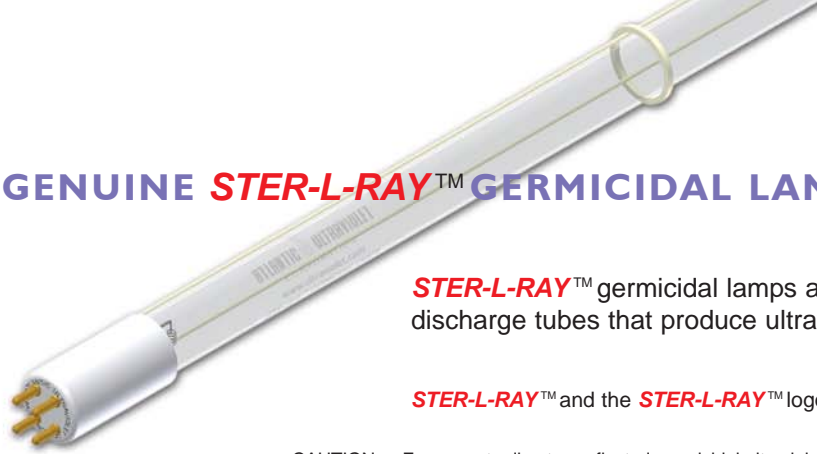
\* MIN -9 unit (120v 60Hz) includes built-in audio alarm

① MIN -1 and MIN-1.5 have female pipe threads. MIN-3, MIN-6 & MIN-9 have male pipe threads.

② Total power consumption including ballast loss (approximate).

- Maximum recommended operating pressure for all purifiers is 100 PSI.
- Pressure drop at maximum recommended flow rate is 5 PSI or less.
- Consult factory with specific power requirements.
- All data shown above reflects 120 volt 60 Hz operation. **MINIPURE**® units are available for operation on public power supplied throughout the world.
- When used at recommended flow rates to disinfect clear water, **MINIPURE**® Water Purifiers provide an ultraviolet dosage in excess of 30,000 microwatt seconds per square centimeter ( $\mu WSec/cm^2$ ).

# GENUINE **STER-L-RAY™** GERMICIDAL LAMPS



**STER-L-RAY™** germicidal lamps are shortwave, low pressure mercury vapor discharge tubes that produce ultraviolet wavelengths lethal to microorganisms.

**STER-L-RAY™** and the **STER-L-RAY™** logo are trademarks of Atlantic Ultraviolet Corporation.

**CAUTION:** Exposure to direct or reflected germicidal ultraviolet rays will cause painful eye irritation and reddening of the skin. Personnel subject to such exposure must wear suitable faceshield, gloves and protective clothing.  
Hg - LAMP CONTAINS MERCURY, manage in accord with disposal laws, see: [www.lamprecycle.org](http://www.lamprecycle.org).

## Technical Specifications

Lamp Number	Purifier Model No.	Nominal Lamp Length	Power Consumption <sup>①</sup>	Ultraviolet Output <sup>②</sup>	Rated Effective Life
05-1119	MIN-1	8 11/32" (212mm)	10 Watts	2.3 Watts	10,000 Hrs.
05-1366	MIN-1.5	11 19/64" (287mm)	14 Watts	3.7 Watts	10,000 Hrs.
05-1366	MIN-3	11 19/64" (287mm)	14 Watts	3.7 Watts	10,000 Hrs.
05-1370	MIN-6	17 5/32" (436mm)	20 Watts	6.4 Watts	10,000 Hrs.
05-0097A	MIN-9	24 13/32" (620mm)	29 Watts	9.7 Watts	10,000 Hrs.

The lamps listed above have been especially developed and are recommended for use with **MINIPURE®** Water Purifiers.

All **STER-L-RAY™** lamps used in **MINIPURE®** units are low pressure type which afford the maximum efficiency in producing the required germicidal rays. In addition to the obvious advantages of high efficiency and low power requirements, there is no possibility of the unit overheating (as is the case with some other lamp types). Consequently, the need for additional equipment to combat overheating is eliminated.

① Wattage is lamp watts only and does not include ballast loss (approximate).

② Maximum rated output at 254 nanometers.

## SPECIAL FEATURES OF THE MINIPURE® SYSTEM

### Stainless Steel Construction

Chamber and hardware are Type 304 stainless steel for dependable long life. Chamber is electropolished and passivated for an attractive finish and dependable service.

### Quick Lamp Change

Exclusive, patented Easy-Off™ Retainer Cap enables effortless lamp replacement without shut-down of water pressure or drainage of tank. No tools are required.

### Fused Quartz Sleeve

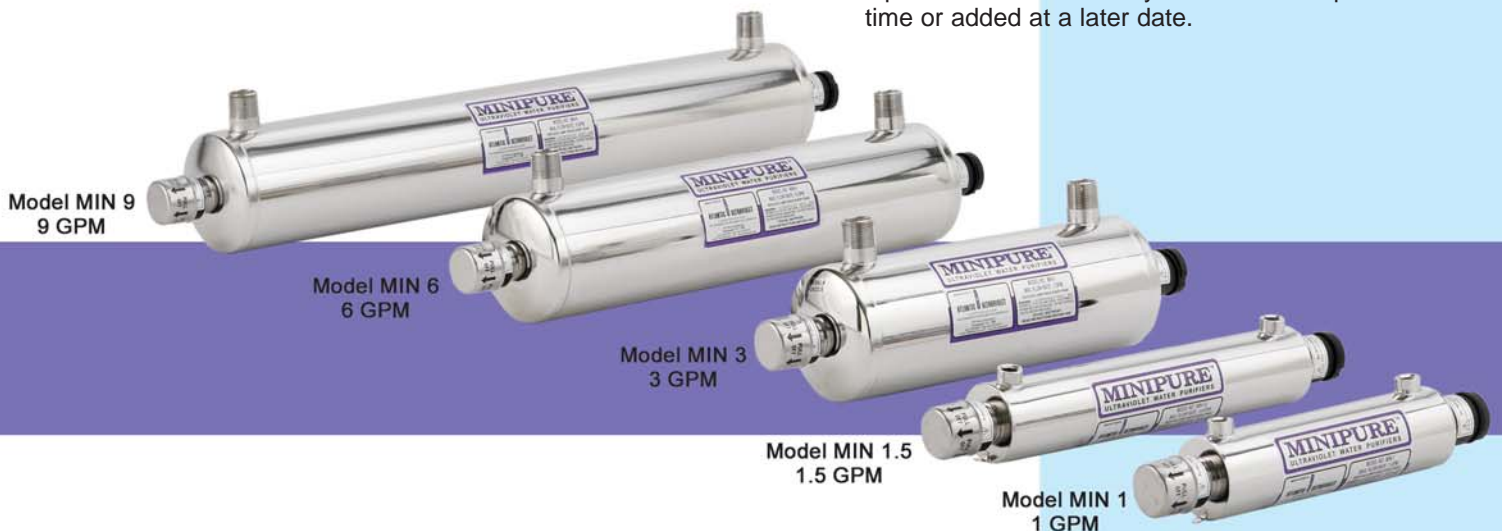
Insures optimum lamp output at normal potable water temperatures.

### Indicator Light

LED on transformer provides visual indication of germicidal lamp operation.

### Optional Equipment

Optional accessories may be obtained at purchase time or added at a later date.







**ATLANTIC  ULTRAVIOLET**  
CORPORATION®

375 Marcus Boulevard • Hauppauge, NY 11788  
631.273.0500 • Fax: 631.273.0771  
www.ultraviolet.com  
e-mail: info@ultraviolet.com



**[www.ultraviolet.com](http://www.ultraviolet.com)**

Atlantic Ultraviolet lamps and equipment are manufactured in the USA.

The information and recommendations contained in this publication are based upon data collected by the 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.