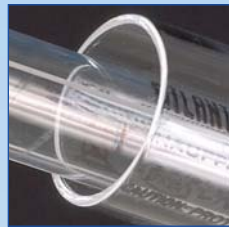


Replacement Parts

www.buyultraviolet.com



Quartz Sleeve



Teflon Washer
00-0229A



Grounding Kit
35-8300A



Ballast
10-0505B



Bracket Nut
25-8106B



Wall Bracket
Top: U7, U9, U15
25-8111B
Bottom: U7, U9, U15
25-8112A



O-Ring
00-8300A

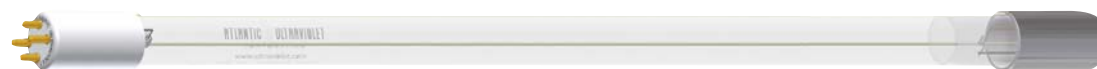


Stactic
Gland Nut
25-8105D



Wall Bracket
Top: U4
25-8108B
Bottom: U4
25-8107A

Germicidal Ultraviolet Lamp Data



Shown: Ultimate™ lamp end-cap with Teflon® coating.

Lamp Number	Purifier Model No.	Lamp Watts ^③	Ultraviolet Output		Effective Life (Hours)
			Total Watts ^①	Microwatts ^② at One Meter	
05-0640A	U4/120V	17	5.7	58	10,000
05-0640A	U7/120V	17	5.7	58	10,000
05-0641A	U9/120V	22	7.5	75	10,000
05-0642A	U15/120V	39	13.8	130	10,000

All Ultimate™ Water Purifiers employ low pressure ultraviolet germicidal lamps that afford maximum efficiency, low power requirements and long lamp life in producing the required germicidal rays.

- ① Maximum rated output at 254 nanometers at 100 hours and 80° F (Approx).
- ② Microwatts per square centimeter at one meter from lamp
- ③ Lamp watts only, does not include power supply loss.

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.

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.

Buy Ultraviolet, Own Purity

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The Ultimate Solution for . . . Residential and Recreational Applications

The Ultimate™ Ultraviolet Water Purifier utilizes a germicidal ultraviolet lamp that produces short wave radiation lethal to bacteria, viruses and other microorganisms present in water.

Economical and safe, the Ultimate™ Ultraviolet Water Purifier offers rapid water treatment without the use of heat or dangerous chemicals - often for the lowest cost available by any means.

Ultimate™ Ultraviolet Water Purifiers produce gallons per minute of purified drinking water.

Residential and Recreational Applications

- point of use installation
- whole house purification
- well water disinfection
- water cistern sterilizers
- rural water systems
- fish ponds
- koi ponds
- water gardens
- ornamental ponds
- aquariums

**LOW
COST
HIGH
VALUE**



Ultimate™
Ultraviolet Water
Purifier
Model U9
120V, 9 gallons
per minute

buyultraviolet.com
own purity

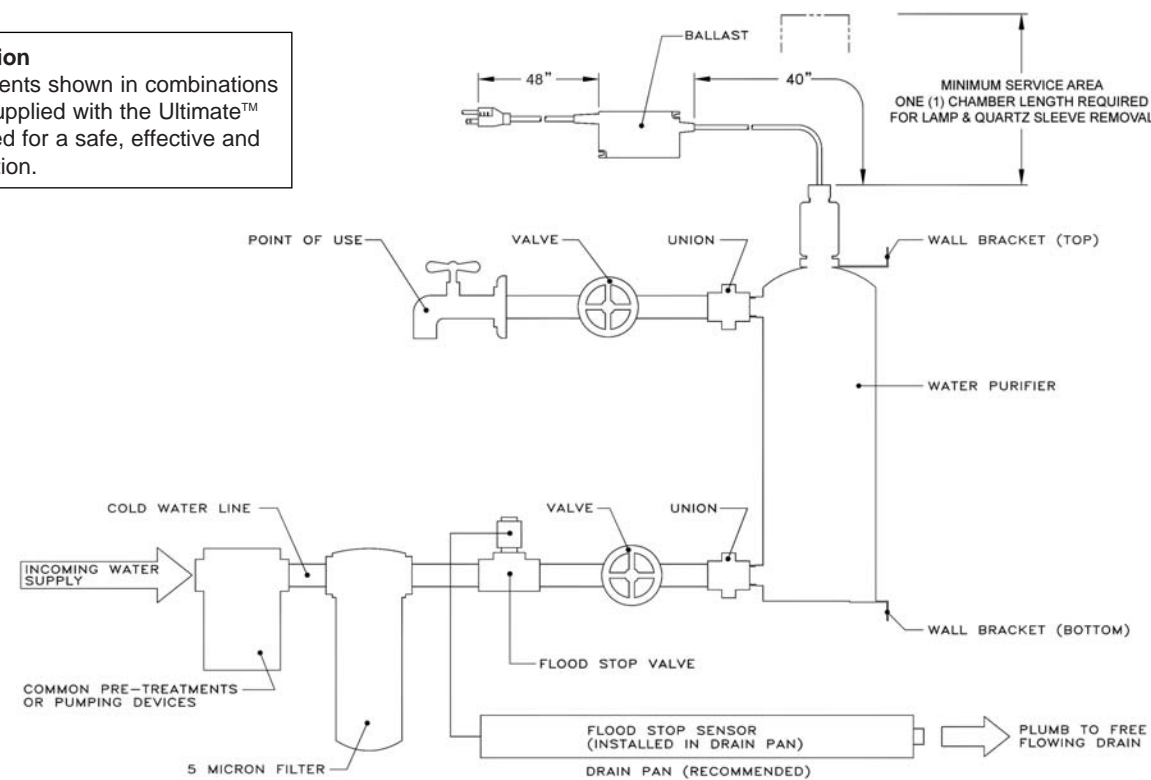
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e-mail: service@buyultraviolet.com
www.buyultraviolet.com

Installation

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Recommended Installation

Note: The use of components shown in combinations below but not originally supplied with the Ultimate™ System, are recommended for a safe, effective and easily maintained installation.



Principle of Operation

Step 1
Water enters the purifier and flows into the annular space between the quartz sleeve and the chamber wall.

Step 2
Within the chamber, water is exposed to intense germicidal ultraviolet radiation.

Step 3
Water leaving the purifier is instantly ready for use.

Ultimate Electronic Ballast (not shown)
Green and Red LED Indicate Status. Alarm Sounds if the Lamp is Not Working.

Advantages

Effective – All micro-organisms are susceptible to Ultimate™ ultraviolet disinfection. Effluent meets or exceeds United States Public Health Standards for bacterial purity.

Efficient – 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.

Features

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Stainless Steel Construction

Chamber is electropolished and passivated stainless steel type 304 for dependable service and attractive finish.

Fused Quartz Sleeve

Insures optimum lamp output at normal potable water temperatures.

Mounting Brackets

Includes a set of stainless steel type 304 mounting brackets. Brackets are used to mount unit in vertical position.

Flow Control Valve (Built In)

Limits water flow to the rated capacity through the Ultimate™ Ultraviolet Water Purifier.

Translucent Plug

Provides positive indication of germicidal lamp operation.

Special Lamp

Germicidal ultraviolet lamp made exclusively for the Ultimate™ has an end-cap with Teflon® coating on one end.

Ultimate™ Electronic Ballast

Includes an LED that provides visual indication (Green and Red LED Indicators) of the germicidal ultraviolet lamp operation and an Audio Alarm that alerts the user to lamp failure.

Grounding Wire Kit

Attaches to the water purifier on one end and the other end to copper (or other metal) water pipe to ensure safety.



Specifications

Model Series	Gallons Per Minute	Gallons Per Hour	Inlet/Outlet Size	Unit Dimensions (Inches)		
				Length	Diameter	Height
U4/120V	4	240	3/4" NPT	4-15/16"	3-7/8"	18-9/16"
U7/120V	7	420	3/4" NPT	6-13/16"	5-3/4"	18-7/8"
U9/120V	9	540	3/4" NPT	6-13/16"	5-3/4"	23-1/16"
U15/120V	15	900	1" NPT	6-13/16"	5-3/4"	37-1/2"

- Maximum recommended operating pressure for all purifiers is 100 PSI.
- Pressure drop at maximum recommended flow rate is 5 PSI or less.

When used as directed to disinfect clear water, Ultimate™ Water Purifiers provide an ultraviolet dosage in excess of 30,000 microwatt seconds per square centimeter ($\mu\text{WSec}/\text{cm}^2$).

