

Product Overview

Effective - virtually all microorganisms are susceptible to 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 disinfection without special attention or measurement.
Chemical Free - no chlorine taste or corrosion problems.



Features

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.

Fused Quartz Sleeve

Insures optimum lamp output at normal potable water temperatures.

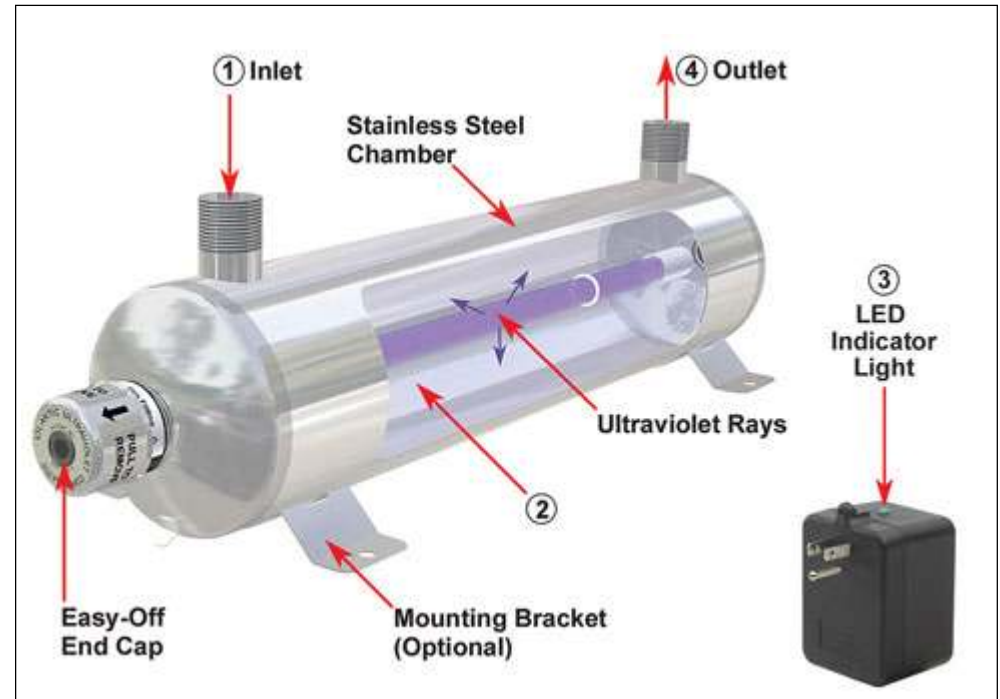
Indicator Light

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.

Principal 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.

PRODUCT

Ultraviolet Water Purifiers

Blaze Technology Pte Ltd

33 Ubi Ave 3, #04-23 VERTEX Singapore 408868 Tel 65 6270 2188 Fax 65 6270 9188
Website www.blazeasia.com Email sales@blazeasia.com

PAGE(S)

1/3

BLAZE
UV Adhesives & Equipment

Model: 250106

Model: 250129



Model: 250056



Model: 250017



Model: 250055



Specifications

Model	GPM	GPH	Inlet and Outlet [NPT] (1)	Power Consumption [Watts] (2)	Unit Dimensions (in.)			Shipping Data (lb.)	
					Length	Width	Height	Gross Wt.	Nett Wt.
250129	1	60	1/4"	14	12/3/2008	2/1/2002	3	6	5
250106	1.5	90	1/4"	16	15-3/8	2/1/2002	3	7	6
250056	3	180	3/4"	16	16-1/4	4/1/2002	5/9/2016	10	9
250017	6	360	3/4"	24	22-1/4	4/1/2002	5/9/2016	11	10
250055	9	540	3/4"	34	29-3/8	4/1/2002	5/9/2016	14	12

(1) 250129 and 250106 have female pipe threads. 250056, 250017 & 250055 have male pipe threads.

(2) Total power consumption including ballast loss (approximately).

- Maximum recommended operating pressure for all purifiers is 100 PSI.
- Pressure drop at maximum recommended flow rate is less than 5 PSI.
- Consult factory with specific power requirements.
- All data shown above reflects 230 Volt 60 Hz operation. These units are available for operation on public power supplied throughout the world.
- When used at recommended flow rates to disinfect clear water, these Ultraviolet Water Purifiers provide an ultraviolet dosage in excess of 30,000 microwatt seconds per square centimeter ($\mu\text{WSec/cm}^2$).

PRODUCT

Ultraviolet Water Purifiers

Blaze Technology Pte Ltd

33 Ubi Ave 3, #04-23 VERTEX Singapore 408868 Tel 65 6270 2188 Fax 65 6270 9188

Website www.blazeasia.com Email sales@blazeasia.com

PAGE(S)

2/3

BLAZE
UV Adhesives & Equipment

Water Quality Recommendation

Maximum Concentration Levels Before Ultraviolet

Turbidity	5 NTU
Suspended Solids	10 mg/L
Color	None
Iron	0.3 mg/L
Manganese	0.05 mg/L
pH	6.5 - 9.5
Hardness	6 gpg

Effectively treating water with higher concentration levels than listed above can be accomplished, but may require added measures to improve water quality to treatable levels.

Ultraviolet Dosage

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	DOSE*
<i>Bacillus subtilis</i> spores	<i>B. subtilis</i>	Bacteria	-----	22,000
Bacteriophage	Phage	Virus	-----	6,600
Coxsackie virus	-----	Virus	Intestinal Infection	6,300
<i>Shigella</i> spores	-----	Bacteria	Bacterial Dysentery	4,200
<i>Escherichia coli</i>	<i>E. coli</i>	Bacteria	Food Poisoning	6,600
Fecal coliform	-----	Bacteria	Intestinal Infection	6,600
Hepatitis A virus	Infectious Hepatitis virus	Virus	Hepatitis of the Liver	8,000
Influenza virus	Flu virus	Virus	Influenza	6,600
<i>Legionella pneumophila</i>	-----	Bacteria	Legionnaires' Disease	12,300
<i>Salmonella typhi</i>	-----	Bacteria	Typhoid Fever	7,000
<i>Staphylococcus aureus</i>	Staph	Bacteria	Food Poisoning, Toxic Shock Syndrome, etc.	6,600
<i>Streptococcus</i> spores	Strep	Bacteria	Strep Throat	3,800

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

* Nominal Ultraviolet dosage ($\mu\text{WSec}/\text{cm}^2$) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.

PRODUCT

Ultraviolet Water Purifiers

Blaze Technology Pte Ltd

33 Ubi Ave 3, #04-23 VERTEX Singapore 408868 Tel 65 6270 2188 Fax 65 6270 9188
Website www.blazeasia.com Email sales@blazeasia.com

PAGE(S)

3/3

BLAZE
UV Adhesives & Equipment