AQUABEST®
ULTRAVIOLET DISINFECTION SYSTEM

Specialized in UltraViolet Disinfection Systems
Healthy, Clean and Safety

AB series

Residential / Commercial: ***AB-12B~ AB-100B***

Ultraviolet (UV) light treatment is a widely recognized and proven method of disinfection of water and has several advantages over other disinfection methods such as chlorination, ozonation, etc….UV light does not add anything to the water, such as undesirable color, odor, taste or flavor, nor doesit generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. Also, UV disinfection requires only a fraction of the contact times required by other disinfection methods. It is fast, efficient, effective, economical and environmentally-friendly.

ADVANTAGES

Effective
All microorganisms are susceptible to AquaBest® ultraviolet water disinfection systems.

Safe
No danger of overdosing, no addition of chemicals.

Easy
Simple installation and maintenance. Compact units require minimum space.

Chemical Free
No chlorine taste or corrosion problems.

Model:	AB-12B	AB-24B	AB-35B	AB-50B	AB-60B	AB-80B	AB-100B
Flow Rate (GPM): ①	12	24	35	50	60	80	100
Flow Rate (m3/hr)	3	6	8	11	14	18	23
Water Chamber	SS304 (SS316 Available on Request)						
Dimension (LxWxH: mm)	1040x285x330	1040x285x330	1040x340x440	1040x340x440	1040x340x440	1040x340x440	1200x365x775
Inlet/Outlet	1" MNPT	1" MNPT	1-1/2" MNPT	1-1/2" MNPT	2" Flange	2" Flange	2" Flange
Number of Lamps	1	2	3	4	5	6	8
Lamp Model Part No.	G36T5L/4C						
Rated Life (hr)	9000						
Wavelength	254nm (185nm Available on Request)						
Frequency	50/60Hz						
Lamp Watts	39 Watts	78 Watts	120 Watts	160 Watts	200 Watts	240 Watts	320 Watts
Power Consumption:②	44 Watts	86 Watts	130 Watts	175 Watts	220 Watts	260 Watts	350 Watts
Quartz Sleeve Part No.	QS900						
Ballasts Controller	ABE42539 0.45A.,110V-250V., 50/60Hz						
Visual Lamp Failure	YES						
Audible Lamp Failure	YES						
Elapsed Time Meter	YES						
UV Intensity Monitor	OPTIONAL						

① Flow Rate Stated at 30mJ/cm2 with 95% UVT EOL (End of Lamp Life) ② Total power consumption, including ballast loss.

Applications:


Drinking Water


Food Processing


Medical


Industries

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

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

Automatic
Provides continuous or intermittent disinfection without special attention or measurement.

UV Dose

The units generate a UV dosage of at least 30,000 microwatt-seconds per square centimeter(μW-s/cm2), even at the end-of-lamp life (EOL), which is more than sufficient to destroy most waterborne microorganisms, such as bacteria, yeasts, algae etc.

Dosage is the product of Intensity & Time

Dosage = Intensity x Time
= microWatt/cm2 x time
= microwatt-seconds per square centimeter
(μW-s/cm2)Note: 1000 μW-s/cm2 = 1 mJ/cm2 (milli-Joule/cm2)