

ULTRAVIOLET WATER STERILIZER



A: PFB-002 Ultraviolet Sterilizer



B: PFB-006 Ultraviolet Sterilizer

SIZING

A: SA30043: Everpure PFB-002 Ultraviolet Sterilizer, Flow Rate: 2GPM (0.45T/Hr)

B: SA30044: Everpure PFB-006 Ultraviolet Sterilizer, Flow Rate: 6GPM (1.36T/Hr)

C: SA30043-SEA: Everpure PFB-002 Ultraviolet Sterilizer with countdown timer

D: SA30044-SEA: Everpure PFB-006 Ultraviolet Sterilizer with countdown timer

FEATURES • BENEFITS

- ◆ Safe UV disinfection technology
- ◆ Efficient disinfection by high UV dose, bactericidal rate is up to 99.99%*
- ◆ Sanitization and safety comes from polishing SUS304 chamber and quartz sleeve high transmittance
- ◆ No effect of taste and smell into water
- ◆ No harmful material into water
- ◆ Fully equipped with accessories for installation
- ◆ 9000 hours simple and stable operation **
- ◆ Small footprint, low weight and low power consumption
- ◆ Sound-light alarm timely indicates malfunction

* At the condition of not exceeding UV sterilizer rated water flow

** UV lamp accumulated working time is 9000 hours

INSTALLATION TIPS

- ◆ Both horizontally and vertically installation are acceptable, electrical wire should be over water tube
- ◆ Filtrated source water is required to insure disinfection efficiency

OPERATION TIPS

- ◆ System powered off before maintenance
- ◆ Change UV lamp on a regular 1-year or 9000-hour accumulated working time preventative maintenance program, whichever comes first
- ◆ Keep UV sterilizer on mostly
- ◆ Low quality of source water minimize disinfection efficiency
- ◆ Suggest to clean quartz sleeve on a regular 1-year preventative maintenance program

APPLICATIONS

- ◆ Cold drink
- ◆ Ice machine
- ◆ Fountain
- ◆ Food preparation
- ◆ Accessory for central filtration system

OPTIMAL SOURCE WATER CONDITON

- ◆ Total iron $\leq 0.3\text{ppm}$
- ◆ Hydrogen sulfide $\leq 0.05\text{ppm}$
- ◆ Suspended solid $\leq 10\text{ppm}$
- ◆ Mn $\leq 0.05\text{ppm}$
- ◆ Hardness $\leq 120\text{mg/L}$
- ◆ Chroma ≤ 15
- ◆ Turbidity $\leq 5\text{NTU}$
- ◆ Temperature $2^{\circ}\text{C}-40^{\circ}\text{C}$

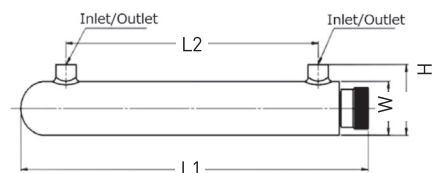
Notice:

This UV sterilizer assumes certain water quality parameters to be met for proper operation. If the source water does not meet the criteria listed on the left, pretreatment has to be considered.

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SA30043, SA30044, SA30043-SEA, SA30044-SEA

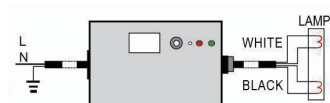
SPECIFICATIONS



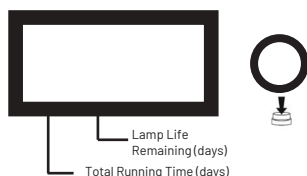
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B: PFB-006 Ultraviolet Sterilizer



FLUORESCENT LAMP BALLAST



	Everpure PFB-002 Ultraviolet Sterilizer	Everpure PFB-006 Ultraviolet Sterilizer
Part Number	SA30043	SA30044
Flow Rate	2GPM [0.45T/Hr]	6GPM [1.36T/Hr]
Size	L1: 360mm L2: 260mm W: 51mm H: 67mm	L: 564mm W: 63.5mm H: 90mm
Net weight/Gross weight	1.4kg/1.8kg	2.5kg/3.1kg
Chamber port size	1/2" NPT-F	3/4" NPT-F
Connector port size	3/8" Hole	1/2" NPT-M
Lamp QTY	1	
Lamp power	14w	25w
Lamp longevity	Accumulated working time of 9000 hours	
Pressure	AC 220-240V, 50-60Hz	
Maximum current	0.2A	0.25A
Alarm system	Sound-light alarm	
Chamber material	SUS304	
Shipping Size	440×195×110mm	580×195×110mm

	Ballast for UV Lamps	
Part Number	SA30043-SEA	SA30044-SEA
Input	99V TO 264V AC 50/60 Hz	
Max. Current	0.41A@110V/0.2A@240V	
Lamp Power	10~40W	
Lamp Current	0.38~0.43A	
Ambient Temperature	0~40°C	

WARRANTY

Everpure ultra-violet water sterilizer and replaceable elements are covered by a limited warranty against defects in material and workmanship for a period of one year after date of or a period of 18 months after production date, whichever comes first.



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