

AST Bead Filter/ UV Combinations Systems

Aquaculture Systems Technologies, LLC and **Emperor Aquatics, Inc** have teamed up to develop a complete line of custom **UV Sterilizers** which provide a minimum of 30,000 micro watts/cm² of UV intensity at 60% end-of-lamp life at flow rates matching all of our Bubble-Washed Bead Filters. Additionally, we have developed a vertical mounting kit which allows you to simply attach the UV light directly to the bead filters similar to that shown on the right. All AST-BBF UV Sterilizers:

- ◆ Are UL Listed for indoor and outdoor use.
- ◆ Include Ballasts which were tested and approved by the lamp manufacturers to insure maximum performance.
- ◆ Use GPH / T5 Style UV Lamps offering 12.5 months of continual operation until reaching the end of their useful lamp life (60% efficient after 9,000 hrs. Of continual use).
- ◆ Have easy to remove Power Assembly which allows quick servicing of all internal parts.
- ◆ Include large Internal View Ports allowing for safe inspection of the UV lamp while in operation providing a clear indication of lamp status.
- ◆ Include Protective “Quartz Sleeve” allows lamp to operate at optimal temperature, increasing efficiency.
- ◆ Are equipped with Slip Union fittings on Inlet and Outlet for easy removal of the unit for cleaning or service.
- ◆ Require 120 volt power source for convenient residential installations (AST models 80-2, 120-2, and 150-2 are available in 220 volt).
- ◆ Include a Vertical Mounting Kit to attach the unit to a Bubble Bead Filter. This kit includes a custom vacuum formed plastic stand to bear the weight of the sterilizer, a support clamp with spacer and stainless steel hardware, and PVC fittings and unions to plumb the filter outlet to the UV Sterilizer Inlet. (PVC pipe not included)
- ◆ Include Installation and Maintenance Instructions with picture and diagrams.

AST UV Sterilizer Pricing

Bead Filter Model	UV Sterilizer Model #	Water Flow Rate @ 30,000 UW-Sec/cm ² at 60% end of lamp life	UV Sterilizer Body Length	UV Sterilizer Body Dia	Water Inlet Water Outlet Size	Power Supply Input Voltage	Rated Lamp Life to 60%
BBF-1/4	AST-25-1	13 gpm	28-Inch	3-Inch	1 1/2" Union w/ 3/4" reducer	120 Vac/60 Hz	9,000 Hrs
BBF-1/2	AST-25-1	13 gpm	28-Inch	3-Inch	1 1/2" Union w/ 1" reducer	120 Vac/60 Hz	9,000 Hrs
BBF-1	AST-40-1	24 gpm	43-Inch	3-Inch	1 1/2" Union	120 Vac/60 Hz	9,000 Hrs
BBF-2	AST-80-1	36 gpm	43-Inch	3-Inch	1 1/2" Union	120 Vac/60 Hz	9,000 Hrs
BBF-4	AST-80-2	62 gpm	43-Inch	5-Inch	2" Union	120 Vac/60 Hz	9,000 Hrs
BBF-6	AST-120-2	88 gpm	56-Inch	5-Inch	2" Union	120 Vac/60 Hz	9,000 Hrs
BBF-10	AST-150-2	126 gpm	70-Inch	5-Inch	3" Union	120 Vac/60 Hz	9,000 Hrs
PBF-3	02065	29 gpm	70.5-Inch	3-Inch	1 1/2" Union	120 Vac/60 Hz	9,000 Hrs
PBF-5	025120	64 gpm	56-Inch	5.75-Inch	2" Union	220 Vac/ 60 Hz	9,000 Hrs
PBF-10	COM6195A	104 gpm	72-Inch	7.5-Inch	2" Union	220 Vac/ 60 Hz	9,000 Hrs
PBF-10S	COM6450HO	199 gpm	73-Inch	7.5-Inch	4" Flange	220 Vac/ 60 Hz	9,000 Hrs
PBF-25	COM6450HO	199 gpm	73-Inch	7.5-Inch	4" Flange	220 Vac/ 60 Hz	9,000 Hrs
PBF-25S	COM6750HO	349 gpm	73-Inch	9-Inch	6" Flange	220 Vac/ 60 Hz	9,000 Hrs
PBF-50	COM6750HO	349 gpm	73-Inch	9-Inch	6" Flange	220 Vac/ 60 Hz	9,000 Hrs
PBF-50S	COM61500HO	703 gpm	73-Inch	13-Inch	10" Flange	220 Vac/ 60 Hz	9,000 Hrs
PBF-100	COM61500HO	703 gpm	73-Inch	13-Inch	10" Flange	220 Vac/ 60 Hz	9,000 Hrs

* Price includes vertical mounting kit to attach UV Sterilizer directly to the filter.