



PURA™ Ultraviolet Disinfection Systems: UV BigBoy™ Series



The **UV BigBoy Series** is the most versatile commercial ultraviolet disinfection system on the market today. This 15 to 60 GPM series is manufactured with versatility in mind, and is virtually unlimited in the possible filter configurations and manifold sequences. The series is designed with the same traditional style that PURA has made an industry standard - worldwide.



All PURA Products feature:

- Water disinfection
- Easy to change lamp and filters
- Lamp and ballast matched for quality assurance
- Simple installation

These systems are for the supplemental treatment of disinfected drinking water which has been treated or other drinking water which has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. These systems are designed to reduce normally occurring non-pathogenic nuisance organisms and is not intended for the treatment of contaminated water. The contaminants and other substances reduced by this water treatment device are not necessarily in your water. In addition, the presence of certain contaminants in your drinking water does not necessarily pose a health risk.

PURA is an advanced Ultraviolet Water Treatment System. It had been designed with you, the consumer, in mind. PURA Products are lightweight, easy to use and simple to maintain. PURA Products will provide you with clean, disinfected drinking water for years to come.

One advantage of the UV BigBoy Series is the convenient manifold mounting rack. The rack can be used to configure up to four UV chambers in parallel or in series. This allows the user to achieve either a higher UV dosage or higher flow rate (up to 60 GPM).

This mounting rack configuration provides easy access for cleaning and maintenance to the individual units without the need to shut down the entire water distribution line. The standard LED lamp monitor provides a visual verification the lamp is in operation.

The UV BigBoy Series, with its capacity, versatility and cost, to be the world's most flexible, complete water disinfection system in its class.



Features:

- Electronic lamp indicator (LED)
- Standard voltage 115V

Options

- E220V/50Hz (2-Prong Euro plug)
- 12V DC
- Lamp Out Circuit (LOC) -(normally open) Safety monitor for alarm
- Lamp Out Circuit (LOC) - (normally closed) Safety monitor for solenoid shut off
- Three year warranty except on electrical components which are covered for a period of one year.

Conditions For Use

Source Water Supply Profile		Chemical Parameters	Max mg/L
Feed Water Pressure†	20 – 75psig (138 – 517kPa)	Hardness (CaCO ₃)	< 120 (7 GPG)
Feed Water Temperature	38° – 105°F (3.3° – 40.5°C)	Iron (Fe)	< 0.3
pH Range	6.5 – 9.5	Manganese (Mn)	< 0.05
Total Dissolved Solids	< 1500 mg/L	† Water Pressure must not exceed 75 psig (517 kPa) or a pressure regulator must be installed.	
Total Suspended Solids	< 10 mg/L		
Turbidity	< 5 NTU		

U.S. Patent #4,971,687

Specifications & Performance UV BigBoy Series

Model Description	# of Sumps	Sump Type	Sump 1	Sump 2	Sump 3	Lamp #	Power Used	Flow Rates ¹ GPM (L/min)	Dimensions HxWxD In. (cm)	Shipping Weight LBS. (kg)	Inlet/Outlet Size
UVBB-1	1	#20BB	UV	None	None	#20	22 Watts	15 (57)	28 x 7.5 x 9.0 (71.1 x 19 x 22.9)	18.0 (8.2)	1-1/2" NPT
UVBB-1 Normally Closed	1	#20BB	UV	None	None	#20	22 Watts	15 (57)	28 x 7.5 x 9.0 (71.1 x 19 x 22.9)	18.0 (8.2)	1-1/2" NPT
UVBB-1 Normally Open	1	#20BB	UV	None	None	#20	22 Watts	15 (57)	28 x 7.5 x 9.0 (71.1 x 19 x 22.9)	18.0 (8.2)	1-1/2" NPT
UVBB-2	2	#20BB	5 Micron Sed Filter	UV	None	#20	22 Watts	15 (57)	28 x 15 x 9.0 (71.1 x 38.1 x 22.9)	35.0 (15.9)	1-1/2" NPT
UVBB-2 Normally Closed	2	#20BB	5 Micron Sed Filter	UV	None	#20	22 Watts	15 (57)	28 x 15 x 9.0 (71.1 x 38.1 x 22.9)	35.0 (15.9)	1-1/2" NPT
UVBB-2 Normally Open	2	#20BB	5 Micron Sed Filter	UV	None	#20	22 Watts	15 (57)	28 x 15 x 9.0 (71.1 x 38.1 x 22.9)	35.0 (15.9)	1-1/2" NPT
UVBB-3	3	#20BB	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	15 (57)	28 x 23 x 9.0 (71.1 x 58.4 x 22.9)	54.0 (24.5)	1-1/2" NPT
UVBB-3 Normally Closed	3	#20BB	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	15 (57)	28 x 23 x 9.0 (71.1 x 58.4 x 22.9)	54.0 (24.5)	1-1/2" NPT
UVBB-3 Normally Open	3	#20BB	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	15 (57)	28 x 23 x 9.0 (71.1 x 58.4 x 22.9)	54.0 (24.5)	1-1/2" NPT

Model Description	# of Sumps	Sump Type	Sump 1	Sump 2	Sump 3	Sump 4	Lamp #	Power Used	Flow Rates ¹ GPM (L/min)	Dimensions HxWxD In. (cm)	Shipping Weight LBS. (kg)	Inlet/Outlet Size
UVBB-R1	4	#20BB	empty ⁽²⁾	empty ⁽²⁾	empty ⁽²⁾	UV	#20	22 Watts	15 (57)	45 x 34 x 18 (114 x 86 x 45)	65.0 (29.5)	1-1/2"
UVBB-R2	4	#20BB	empty ⁽²⁾	empty ⁽²⁾	UV	UV	#20	44 Watts	30 (114)	45 x 34 x 18 (114 x 86 x 45)	75.0 (34.0)	1-1/2"
UVBB-R4	4	#20BB	UV	UV	UV	UV	#20	88 Watts	60 (227)	45 x 34 x 18 (114 x 86 x 45)	91.0 (41.3)	1-1/2"



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