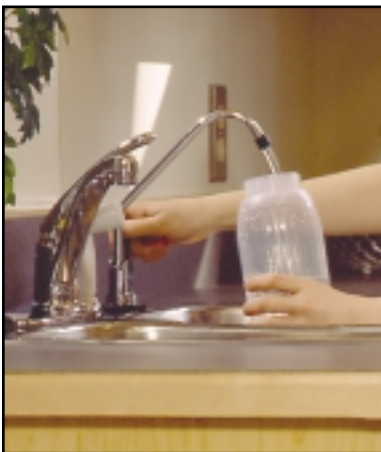# PURA® Water Treatment Systems

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.

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® Product's are guaranteed to be free from defects in materials and workmanship for a period of three years under normal use with the exception of electrical components which are guaranteed for a period of one year.

UV1-EPCB Series™

PURA® Product's UV1-EPCB Series™ is a bright example PURA® Product's patented All-In-One concept. This product combines both ultraviolet disinfection with carbon filtration all in a very attractive and compact system. The UV1-EPCB Series™ is rated for 1 gallon per minute and uses either a 0.5 micron (EPCB) carbon block filter or a 10 micron (EPCB 10) carbon block filter (optional). This easy to install system can be used as a stand alone or in conjunction with other water treatment products.

Features:
• Compact size
• Standard voltage 115V

Options:
• 220V / 50 Hz (2-prong Euro plug)
• 12V DC

Specifications & Performance UV1-EPCB Series™

Item #	Model Description	# of sumps	Sump Type	Sump Content	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Weight Lbs. (Kg)	Inlet/Outlet Size
15910111	UV1-EPCB	1	#10SL	EPCB Carbon/UV	#10	10 Watts	1 (3.8)	13.5 x 5.0 x 5.0 (34.2 x 12.7 x 12.7)	7.0 (3.2)	1/2" NPT

Note: [1] All flow rates shown will provide a UV dose of no less than 16,000 µW-s/cm² or greater; EPCB refers to Extended Pass Carbon Block Filter.

UV20 Series™

PURA® Product's UV20 Series™ is designed to provide disinfected water at a flow rate of 8 - 10 gallons per minute. This system is ideal for whole house water treatment. In addition to disinfection, the double and triple models provide filtration for the removal of sediment and chemical contaminants. This ultraviolet water treatment system makes a perfect companion to water softeners, distillers, reverse osmosis and ozone systems. The UV20 Series™ has proven to be PURA® Product's most popular product line and has created an industry standard in whole-house disinfection.

Features:
• Electronic lamp indicator (LED)
• Standard voltage 115V

Options:
• 220V / 50 Hz (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

Specifications & Performance UV20 Series™

Item Number	Model Description	# of sumps	Sump Type	Sump 1	Sump 2	Sump 3	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Weight Lbs. (Kg)	Inlet/Outlet Outlet
15710100	UV20-1	1	#20	UV	none	none	#20	22 Watts	10 (38)	25 x 5.5 x 5.5 (63.5 x 14 x 14)	16.0 (7.3)	3/4" NPT
15710400	UV20-1 Normally Closed	1	#20	UV	none	none	#20	22 Watts	10 (38)	25 x 5.5 x 5.5 (63.5 x 14 x 14)	16.0 (7.3)	3/4" NPT
15710500	UV20-1 Normally Open	1	#20	UV	none	none	#20	22 Watts	10 (38)	25 x 5.5 x 5.5 (63.5 x 14 x 14)	16.0 (7.3)	3/4" NPT
15720121	UV20-2 SD	2	#20	5 Micron Sed Filter	UV	none	#20	22 Watts	10 (38)	25 x 11 x 5.5 (63.5 x 27.9 x 14)	23.0 (10.4)	3/4" NPT
15720421	UV20-2 SD Normally Closed	2	#20	5 Micron Sed Filter	UV	none	#20	22 Watts	10 (38)	25 x 11 x 5.5 (63.5 x 27.9 x 14)	23.0 (10.4)	3/4" NPT
15720521	UV20-2 SD Normally Open	2	#20	5 Micron Sed Filter	UV	none	#20	22 Watts	10 (38)	25 x 11 x 5.5 (63.5 x 27.9 x 14)	23.0 (10.4)	3/4" NPT
15730131	UV20-3 SD/CB	3	#20	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	8 (30)	25 x 16 x 5.5 (63.5 x 40 x 14)	33.0 (15.0)	3/4" NPT
15730431	UV20-3 SD/CB Normally Closed	3	#20	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	8 (30)	25 x 16 x 5.5 (63.5 x 40 x 14)	33.0 (15.0)	3/4" NPT
15730531	UV20-3 SD/CB Normally Open	3	#20	5 Micron Sed Filter	10 Micron Carbon Block	UV	#20	22 Watts	8 (30)	25 x 16 x 5.5 (63.5 x 40 x 14)	33.0 (15.0)	3/4" NPT

Note: [1] All flow rates shown will provide a UV dose of no less than 16,000 µW-s/cm² or greater.

UVB Series™

PURA® Product's patented UVB Series™ is designed to provide disinfected water at a flow rate of 2 gallons per minute. In addition to disinfection, water is filtered through our 0.5 micron Extended Pass Carbon Block (EPCB) filter.

Our double and triple models provide you with additional filtration with sediment and activated carbon filters.

This compact All-in-One system installs with ease and can be used anywhere that clean, clear, good tasting disinfected water is needed. It is ideal for point-of-use applications like: under the kitchen sink, office water coolers, water vending machines, boats, recreational vehicles, etc.

Features:
• Electronic lamp indicator (LED)   • Standard voltage 115V

Options:
• 220V / 50 Hz (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

Specifications & Performance UVB Series™

Item #	Model Description	# of sumps	Sump Type	Sump 1	Sump 2	Sump 3	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Weight Lbs. (Kg)	Inlet/Outlet Size
15610111	UVB1-EPCB	1	#10	EPCB Carbon/UV	none	none	#11	14 Watts	2 (7.6)	15 x 5.5 x 5.5 (38.1 x 14 x 14)	10.0 (4.5)	3/8" NPT
15610411	UVB1-EPCB Normally Closed	1	#10	EPCB Carbon/UV	none	none	#11	14 Watts	2 (7.6)	15 x 5.5 x 5.5 (38.1 x 14 x 14)	10.0 (4.5)	3/8" NPT
15610511	UVB1-EPCB Normally Open	1	#10	EPCB Carbon/UV	none	none	#11	14 Watts	2 (7.6)	15 x 5.5 x 5.5 (38.1 x 14 x 14)	10.0 (4.5)	3/8" NPT
15620121	UVB2-EPCB/SD	2	#10	5 Micron Sed Filter	EPCB Carbon/UV	none	#11	14 Watts	2 (7.6)	15 x 11 x 5.5 (38.1 x 27.9 x 14)	15.0 (6.8)	3/8" NPT
15630131	UVB3-EPCB/GC/SD	3	#10	5 Micron Sed Filter	Granular Carbon Filter	EPCB Carbon/UV	#11	14 Watts	2 (7.6)	15 x 16 x 5.5 (38.1 x 40.6 x 14)	24.0 (10.9)	3/8" NPT

Note: [1] All flow rates shown will provide a UV dose of no less than 16,000 μW-s/cm² or greater.

UV ADDON Series™

PURA® Product's UV ADDON Series™ is designed to be an easy addition to water treatment systems that require ultraviolet disinfection (RO systems, holding tanks, water dispensers, recirculating systems and more). The ADDON systems are available with a 1 GPM or 3 GPM flow rate. They are constructed using a 304 grade stainless steel body with a molded head that includes 3/8" quick connect fittings on the inlet/outlet. This versatile system also includes a heavy duty mounting bracket, but will also fit standard 2" RO mounting clips. The UV Addon Series™ can be used almost anywhere and is equipped with a unique power supply that makes installation simple, space requirements minimal and lamp changes easy.

Features:
• Standard voltage 115V
• 3/8" quick connect fittings

Options:
• 220V / 50 Hz (2-prong Euro plug)
• 12V DC

Specifications & Performance UV ADDON Series™

Item #	Model Description	# of sumps	Sump Type	Sump Content	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Weight Lbs. (Kg)	Inlet/Outlet Size
15510100	UV Addon-1	1	304 SS	UV	#10	10 Watts	1 (3.8)	12 x 4 x 3.5 (30.5 x 10 x 8.9)	5.0 (2.3)	3/8" QC
15530100	UV Addon-3	1	304 SS	UV	#20	22 Watts	3 (11.4)	22.5 x 4 x 3.5 (57 x 10 x 8.9)	7.0 (3.2)	3/8" QC

Note: [1] All flow rates shown will provide a UV dose of no less than 16,000 μW-s/cm² or greater.

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.

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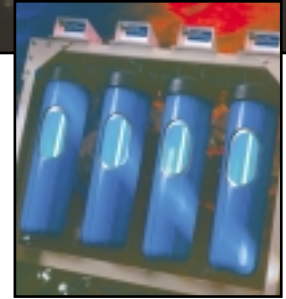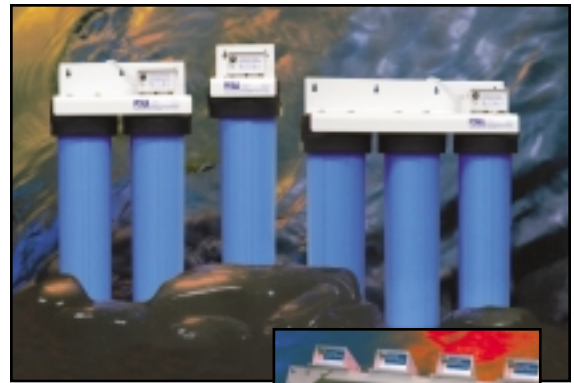
The UV BigBoy™ Series, with its capacity, versatility and cost, is the world's most flexible, complete water disinfection system in its class.

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

Options:
- 220V / 50 Hz (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

Specifications & Performance UV BigBoy™ Series

Item #	Model Description	# of sumps	Sump Type	Sump 1	Sump 2	Sump 3	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Wgt. Lbs. (Kg)	Inlet/Outlet Size
15810100	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
15810400	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
15810500	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
15820121	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
15820421	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
15820521	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
15830131	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
15830431	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
15830531	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

Specifications & Performance UV BigBoy™ Rack Series

Item #	Model Description	# of sumps	Sump Type	Sump 1	Sump 2	Sump 3	Sump 4	Lamp #	Power Used	Flow Rates[1] GPM (L/min)	Dimensions In. (cm) H x W x D	Shipping Wgt. Lbs. (Kg)	Inlet/Outlet Size
15018001	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" NPT
15018201	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" NPT
15018401	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" NPT

Notes: [1] All flow rates shown will provide a UV dose of no less than 16,000 µW-s/cm^2 or greater.
[2] Empty sumps on UVBB-Rack systems can be filled with a wide variety of optional cartridges.

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		
Total Suspended Solids	< 10 mg/L		
Turbidity	< 5 NTU		

† Water Pressure must not exceed 75 psig (517 kPa) or a pressure regulator must be installed.

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