

BLACKCOMB^{6.0}

Models LB6-061, LB6-062, LB6-101, LB6-102, LB6-201, LB6-202



CONTROL YOUR OWN WATER QUALITY!

If you are unsure of the microbiological quality of your source water or if you are looking for additional security from your municipal water source, then LUMINOR has the solution in the BLACKCOMB^{6.0} series of residential UV systems.

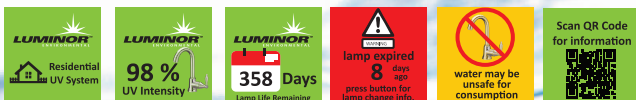
UV technology is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium* and *Giardia lamblia*.

BLACKCOMB^{6.0} provides the ultimate in UV protection for your home with the inclusion of a true 254nm Teflon[®] based UV sensor that continuously monitors the performance of the UV system and displaying the output via a colour screen. In addition to UV output, diagnostics, system status, warnings, even QR codes are included. With the integral expandability port, the addition of a 4-20mA output or a solenoid valve is a simple plug-and-play option!

Product Features

- True 254nm Teflon[®] based UV sensor continuously measures UV output and visually displays output via the controller
- Colour user interface with full diagnostics and warnings including QR codes
- "Future-proof" expandability port for future upgrades and options
- Single ended, 304 stainless steel reactors
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm²
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- True gland seal retaining nut with positive stop
- Reliable, industry proven low pressure (LP) coated UV lamps with ceramic bases for durability and a 9000 hour life (1 year)
- Constant current electronic controller (one controller for all systems) in a splash-proof case

Sample Screen Shots



Home Screen UV Output Screen Lamp Life Remaining Screen Lamp Expiration Screen Unsafe Water Screen QR Code Screen

Available Systems

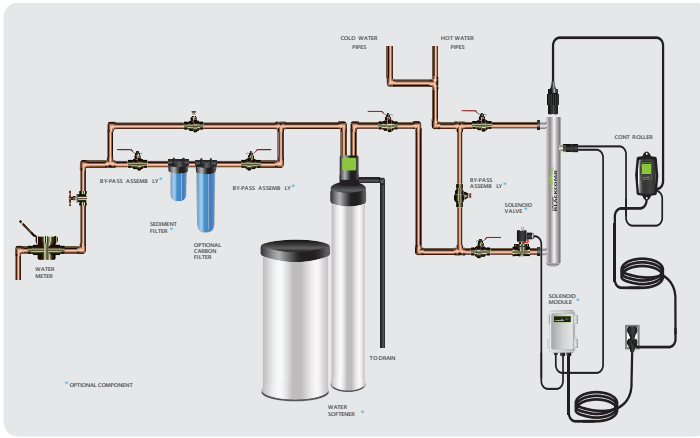
Point-of-Entry (POE)

LB6-061 LB6-062, for flow rates of 22 lpm (6 gpm)

LB6-101 LB6-102, for flow rates of 41 lpm (10 gpm)

LB6-201 LB6-202, for flow rates of 79 lpm (20 gpm)

Typical POE Installations



BLACKCOMB^{6.0} - Equipment Specifications

BLACKCOMB ^{6.0} , Residential UV Systems, UV Monitored						
Model	LB6-061	LB6-062	LB6-101	LB6-102	LB6-151	LB6-152
Flow Rate (@16mJ/cm ²)	11 GPM		20 GPM		39 GPM	
	42 lpm		77 lpm		150 lpm	
	2.5 m ³ /hr		4.6 m ³ /hr		8.9 m ³ /hr	
Flow Rate (@30mJ/cm ²)	5.8 GPM		11 GPM		21 GPM	
	22 lpm		41 lpm		79 lpm	
	1.3 m ³ /hr		2.5 m ³ /hr		3.6 m ³ /hr	
Flow Rate (@40mJ/cm ²)	4.4 GPM		8.2 GPM		16 GPM	
	17 lpm		31 lpm		59 lpm	
	1.0 m ³ /hr		1.9 m ³ /hr		3.6 m ³ /hr	
Port Size	¾" MNPT		¾" MNPT		1" MNPT	
Electrical	American, 110V/ 50-60Hz.	European, 220V/ 50-60Hz.	American, 110V/ 50-60Hz.	European, 220V/ 50-60Hz.	American, 110V/ 50-60Hz.	European, 220V/ 50-60Hz.
Plug Type	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"	American, Nema 5/15, 3 prong grounded	European, 2-pin (CEE 7/7) "Schuko"
Lamp Watts	22		39		42	
Power (Watts)	30		49		51	
Chamber Material	304 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated					
Reactor Dimensions	2.5 x 20.5" (6.4 x 52.2cm)		2.5 x 34.3" (6.4 x 87.2cm)		3.5 x 38.1" (8.9 x 91.7cm)	
Controller Dimensions	6.8 x 3.6 x 3" (17.2 x 9.2 x 7.6cm)					
Maximum Operating Pressure	8.6 bar (125 psi)					
Operating Temperature Range	2-40° C (36-104° F)					
UV Monitor	Yes					
Solenoid Output	Optional					
4-20mA Output	Optional					
Lamp Change Reminder (audible & visual)	Yes					
Lamp Out Indicator (audible & visual)	Yes					
Shipping Weight	4.2 kg (9.2 lbs)		6.8 kg (15.0 lbs)		7.5 kg (16.5 lbs)	

System Includes

UV Sensor Module



Allows the 254nm UV wavelength to be measured and displayed via the BLACKCOMB^{6.0} controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all BLACKCOMB^{6.0} reactors.

Optional Upgrade Modules

Solenoid Module



Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor. Available in 110V. (**MOD-SOL1**) or 230V. (**MOD-SOL2**)

4-20mA Module



Used for signal transfer to a remote device such as a data logger or computer. Order **MOD-420**

Manufacturer's Warranty

LUMINOR UV systems are covered by the following warranty:

REACTORS - Ten (10) year Limited Warranty
ELECTRONICS - Three (3) year Limited Warranty
UV LAMPS - One (1) year Limited Warranty
QUARTZ SLEEVES - One (1) year Limited Warranty

Please refer to LUMINOR's complete warranty document for specific details, including conditions and exclusions. This document may be found on the web or by contacting LUMINOR directly.

Replacement Parts

System	Lamps	Sleeves	Controller
LB6-061	RL-470	RQ-470	RC-B56.01
LB6-062	RL-470	RQ-470	RC-B56.02
LB6-101	RL-820	RQ-820	RC-B56.01
LB6-102	RL-820	RQ-820	RC-B56.02
LB6-201	RL-850	RQ-850	RC-B56.01
LB6-202	RL-850	RQ-850	RC-B56.02



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