

BLACKCOMB RACK SYSTEMS

CONVENIENT ALL-IN-ONE UV/FILTER SYSTEMS



LUMINOR's new line of rack-mounted UV/filtration systems offer the convenience of an all-in-one package making installation a simple "in & out" connection.

Designed to effectively treat flow rates of 8 & 15 gpm, LUMINOR's rack-mounted UV's provide the required 5 micron pretreatment with the option of a full-flow, carbon filter to treat taste and odour. Installation of a UV system has never been easier with an innovative design that allows for feedwater to enter the filters from either the right or left side of the unit.

Based on LUMINOR's groundbreaking modular UV systems, the rack-mount UV's offer the flexibility of being "factory ready" to accept a UV Intensity Module in the future if so desired. The BLACKCOMB plug and play platform has the most advanced residential controller on the market with a colour user interface giving a multitude of screens displaying diagnostics, status, warnings and even QR codes for a link back to LUMINOR's website.

Combine this with the capability to fully customize the colour screens with your own dealer information, or different language, and you can easily see how this integrated UV/filter system shines above all others (an optional Custom Dealer Programmer is required...contact factory for further information)!

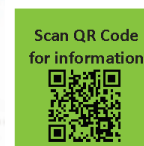
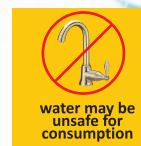
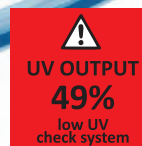
Product Features

- Pressure relief, high-flow polypropylene filter housings (wrench included with all systems)
- Universal mounting configuration (left or right access)
- NSF component listed filtration cartridges (included with systems)
- Colour user interface with full diagnostics and warnings including QR codes
- "Future-proof" expandability port for future upgrades and options
- Axial flow, 316L stainless steel polished reactors, fully polished, designed & manufactured to ASME pressure vessel standards
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- Reliable, industry proven, coated UV lamps, (9,000 hour life on LB5 series and 10,000 hour life on LBH5 series)
- Constant current electronic controller (one controller for all systems) in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- Full customization available as an option (language, home screen, phone, QR codes, etc.)

SYSTEM SELECTION

System	Flow Rate	1st Filter Housing	2nd Filter Housing
LB5-R1	8 gpm	10" sediment LC-105	N/A
LB5-R12	8 gpm	10" sediment LC-105	20" taste/odour LC-20C
LBH5-R2	15 gpm	20" sediment LC-205	N/A
LBH5-R22	15 gpm	20" sediment LC-205	20" taste/odour LC-20C

SYSTEMS INCLUDE ALL CARTRIDGES



Low UV
Warning
Screen

Unsafe
Water
Screen

QR Code
Screen

Lamp
Failure
Screen

BLACKCOMB - Specifications

BLACKCOMB RACK-MOUNT UV SYSTEMS

Model	LB5-R1	LB5-R12	LBH5-R2	LBH5-R22
Flow Rate (30mJ/cm ² @ 95% UVT)	8.0 GPM		13.0 GPM	
	30.3 lpm		49.2 lpm	
	1.82 m ³ /hr		2.95 m ³ /hr	
1st Filter Housing	5 micron sediment LC-105	5 micron sediment LC-105	5 micron sediment LC-205	5 micron sediment LC-205
2nd Filter Housing	N/A	high-capacity carbon LC-20C	N/A	high-capacity carbon LC-20C
Port Size	1" MNPT			
Electrical	90-265V/50-60Hz.			
Plug Type	American, Nema 5/15, 3 wire for all 110V systems, "1" suffix (i.e. LB5-R1) European, CEE 7/7, 3 wire for all 230V systems, "2" suffix (i.e. LB5-R1-2) British Standard, BS 1363, 3 wire for all 230V systems, "3" suffix (i.e. LB5-R1-3) Australian/New Zealand, AS/NZ 3112, 3 wire for all 230V systems, "4" suffix (i.e. LB5-R1-4)			
Lamp Watts	20 (standard-output lamp)		45 (high-output lamp)	
Power (Watts)	23 (21 @ 230V.)		57 (48 @ 230V.)	
Maximum Current (amps)	1			
Chamber Material	Polished 316L stainless steel, A249 pressure rated tubing			
Reactor Dimensions	3.5 x 20.0" (8.9 x 50.8 cm)			
Controller Dimensions	6.8 x 3.6 x 3" (17.2 x 9.2 x 7.6cm)		8.6 x 4.2 x 3.5" (217.4 x 107.5 x 88.7 mm)	
Operating Pressure	0.7-10.3 bar (10-150 psi)			
Operating Water Temperature	2-40° C (36-104° F)			
Replacement Lamp	RL-420		RL-420HO	
Replacement Sleeve	RQ-420			
UV Monitor	Optional (requires additional UV sensor module)			
Solenoid Output	Yes (but requires optional solenoid module)			
Dry Contacts	Yes (but requires optional remote alarm module)			
4-20mA Output	Yes (but requires optional 4-20mA module)			
Lamp Change Reminder (audible & visual)	Yes			
Lamp Out Indicator (audible & visual)	Yes			
Shipping Weight				

LC-105 (used on LB5-R1 systems)

LC-205 (used on LBH5-R2 & LBH5-R22 systems)

- 25/1 dual gradient polypropylene cartridge (25 micron pre-filter; 1-micron post-filter (nominal) for the reduction of dirt/rust & sediment
- Temperature range of 4.4-62.8°C (40-145°F)
- Dimensions: 254 mm x 114 mm (10" x 4 1/2")
- Pressure drop of <0.1 bar @ 38 L/min (<1 psi @ 10 gpm)
- NSF COMPONENT listed (Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only).



LC-20C (used on LB5-R12, LBH5-R2 & LBH5-R22 only)

- Carbon-briquette, 5-micron nominal cartridge for the reduction of chlorine taste & odour
- Temperature range of 4.4-82.2°C (40-180°F)
- Dimensions: 508 mm x 118 mm (20" x 4 5/8")
- Pressure drop of <0.38 bar @ 19 L/min (<5.5 psi @ 5 gpm)
- Rated life > 151,400 l @ 15.1 lpm (40,000 gal. @ 4 gpm)
- NSF COMPONENT listed (Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only).



Twitter.com/LuminorUV



Facebook.com/LuminorUV

Optional Upgrade Modules

UV Sensor Module



Allows the 254nm UV wavelength to be measured and displayed via the BLACKCOMB controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all BLACKCOMB reactors. Order **RS-B3.5** for LB5 systems and **RSH0-B3.5** for LBH5 systems

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**

Remote Alarm (Dry Contact) Module



Used for signal transfer to a remote alarm or dry contacts. Order **MOD-RAM**

Manufacturer's 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

Optional Custom Dealer Programmer



Contact factory for an exciting opportunity that will allow you to customize your UV controller with your own company name, logo, website, QR code and contact information. Capture the lucrative replacement lamp market by creating a direct link back to your own website! This technology is ONLY available from LUMINOR.



YOUR Logo, phone #, QR code placed directly on the UV controller creating a fully customized look.....contact your LUMINOR distributor for program details.

Guaranteed OEM Lamp Replacment

Tired of losing that lucrative replacement lamp sale to a cut-rate online marketer or to an inferior offshore manufacturer? Protect your replacement lamp revenue stream with LUMINOR's truly proprietary UV lamps. Maintain your lamp sales and more importantly your lamp margin all while protecting the integrity of the product and its performance.

.....LUMINOR is the answer.



290 Southgate Drive, Unit 2
Guelph, Ontario, CANADA N1G 4P5
P: (519) 837-3800
TF: (855) 837-3801
F: (519) 837-3808
e-mail: info@luminoruv.com
web: www.luminoruv.com