LUMINOR™
BLACKCOMB
RACK SYSTEMS

CONVENIENT ALL-IN-ONE UV/FILTER SYSTEMS

- 8 or 15 gpm.
- All systems include a 5-micron sediment filter.
- Optional filters include carbon, scale reduction and a backwashable filter.

LB4-Z1

LBH5-Z22

LBH5-Z122

LBH5-Z222

PRODUCT FEATURES

- One-piece sump design for leak resistant operation (pressure relief, wrench, and integral hanging clip included with all systems)
- LED lamp countdown (4.1 series)
- Controller with Lightlock™ technology for protected lamp sales (5.1 variants)
- Universal mounting configuration for left or right access
- Self-cleaning backwash filter (LBH5-Z122 series)
- Expandability port for future upgrades and options (5.1 series)
- Axial flow, 316L stainless steel polished reactors, fully polished, designed & manufactured to ASME pressure vessel standards
- Reliable, industry proven, coated UV lamps
- Full customization available as an option – language, home screen, phone, QR codes, etc.*

SYSTEMS FEATURE ONE-PIECE SUMP FILTER HEAD FOR A LEAK-RESISTANT DESIGN.

SAMPLE SCREENS

LUMINOR ENVIRONMENTAL
98% UV Intensity

LUMINOR™ UV System www.luminoruv.com

LUMINOR ENVIRONMENTAL **375** Days Lamp Life Remaining

⚠ WARNING lamp expired **8** days ago press button for lamp change info.

Scan QR Code for information

LUMINOR™
ENVIRONMENTAL

BLACKCOMB RACK-MOUNT UV SYSTEMS

MODEL	LB4-Z1 LB5-Z1	LB4-Z2 LB5-Z2 (BEST SELLER)	LB4-Z12 LB5-Z12	LBH4-Z2 LBH5-Z2	LBH4-Z12 LBH5-Z12	LBH4-Z22 LBH5-Z22 (BEST SELLER)	LBH4-Z122 LBH5-Z122	LBH4-Z222 LBH5-Z222
Flow Rate (30mJ/cm² @ 95% UVT)	8.0 GPM			15.0 GPM				
	30.3 lpm			56.8 lpm				
	1.82 m³/hr			3.4 m³/hr				
1st Filter Housing	5 micron sediment **LC-10S**	5 micron sediment **LC-20S**	5 micron sediment **LC-10S**	5 micron sediment **LC-20S**	5 micron sediment **LC-10S**	5 micron sediment **LC-20S**	90 micron mesh strainer **LC-10MS**	5 micron sediment **LC-20S**
2nd Filter Housing	N/A	N/A	High-capacity carbon **LC-20AC**	N/A	High-capacity carbon **LC-20AC**	High-capacity carbon **LC-20AC**	5 micron sediment **LC-20S**	Scale reduction **LC-20WS**
3rd Filter Housing	N/A	N/A	N/A	N/A	N/A	N/A	High-capacity carbon **LC-20AC**	High-capacity carbon **LC-20AC**
Port Size	1"MNPT							
Electrical	90-265V/50-60Hz.							
Plug Type	American, NEMA 5-15, no suffix (i.e. LB5-Z1) European, CEE 7/7, "2" suffix (i.e. LB5-Z1-2) British Standard, BS 1363, "3" suffix (i.e. LB5-Z1-3) Australian/New Zealand, AS/NZ 3112, "4" suffix (i.e. LB5-Z1-4)							
Lamp Watts	20 (standard-output lamp)			45 (high-output lamp)				
Power (Watts)	23 (21 @ 230V.)			57 (48 @ 230V.)				
Max 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	17.2 x 9.2 x 10.2 cm (6.8 x 3.6 x 4")			21.7 x 10.8 x 10.2 cm (8.6 x 4.2 x 4")				
Operating Pressure	0.7-8.3 bar (10-120 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) (**RS-B3.5 on LB5 units & RSHO-B3.5 on LBH5 units**)							
Solenoid Output	YES (but requires optional solenoid module) (**MOD-SOL**)							
Dry Contacts	YES (but requires optional remote alarm module) (**MOD-RAM**)							
4-20mA Output	YES (but requires optional 4-20mA module) (**MOD-420**)							
Lamp Change Reminder	YES (both audible & visual)							
Lamp Out Indicator	YES (both audible & visual)							
Shipping Weight	11.36 kg (25 lbs)	12.45 kg (27.4 lbs)	18.45 kg (40.6 lbs)	12.82 kg (28.2 lbs)	18.82 kg (41.4 lbs)	20.18 kg (44.4 lbs)	23.13 kg (51 lbs)	27.21 kg (60 lbs)

Add suffix "-NC" to model number for No Cartridges

OPTIONAL EQUIPMENT MODULES

UV Concierge
Available for WEB, iOS, and Android platforms providing live, dynamic feedback on all features and functions of your UV system.*

SHERPA Series Water Quality Monitor
Allows for remote monitoring of all major and minor alarms that take place on the UV system. Three LED's visually display system functionality from up to 150' (46m) away.*

Custom Dealer Programmer
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.*

UV Sensor Module
Allows the 254nm UV wavelength to be measured and displayed via the controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all reactors. (see chart for part numbers)*
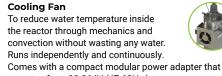
Solenoid Module
Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor. Available in 110V. (MOD-SOL1) or 230V. (MOD-SOL2).*
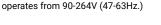
TRV (temperature management relief valve)
TRV allows for a small amount of water to be physically released (dumped) from the UV unit to allow for cooling of the water. Used in applications of extended "no flow" conditions, or when the temperature of the treated water is of a critical nature.

Cooling Fan
To reduce water temperature inside the reactor through mechanics and convection without wasting any water. Runs independently and continuously. Comes with a compact modular power adapter that operates from 90-264V (47-63Hz.)

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.*

* Available on 5.1 / 6.1 systems only.

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