



Canadian Manufacturer

EXCALIBUR - SIGNATURE SERIES ULTRAVIOLET SYSTEMS



Quality through innovation





UV Filtration: What it does

Ultraviolet (UV) filtration is a cutting-edge method for ensuring safe, contaminant-free water for residential, commercial, and industrial applications. This technology uses UV light to neutralize harmful microorganisms such as bacteria, viruses, and protozoa, effectively rendering them harmless without the need for chemicals. Unlike traditional water treatments, UV filtration preserves the natural taste and quality of your water while offering unparalleled protection against biological contaminants.

Why UV Filtration is Essential

Water from untreated sources, such as wells, lakes, or rivers, often harbors harmful pathogens that can cause serious health issues. Even municipal water supplies, while treated, may not completely eliminate all microorganisms. UV filtration acts as a critical line of defense, ensuring that your water is safe for consumption. Its applications extend beyond homes, as it is commonly used in hospitals, food and beverage processing, laboratories, and more to meet stringent water safety requirements.

How Effective is Ultraviolet Disinfection?

Unlike traditional methods like chlorination, ultraviolet (UV) disinfection sterilizers leave no residual chemicals in your drinking water, ensuring a pure and natural taste. UV disinfection is recognized as one of the most effective processes for eliminating harmful microorganisms from water. Excalibur Water Systems UV sterilizers target and neutralize a wide range of contaminants, including bacteria such as E. coli and coliform, viruses, algae, mold, and even tough protozoan pathogens like Cryptosporidium and Giardia Lamblia. UV light penetrates the DNA of these harmful microorganisms, effectively destroying them in seconds and preventing them from reproducing. This chemical-free, environmentally friendly technology offers a simple and cost-effective solution for protecting your water supply. With Excalibur Water Systems, you can ensure your family or business has access to clean, safe water—free from harmful, disease-causing elements.





Signature Series Premium Ultraviolet System

Intended for easy, do-it-yourself installation, the **Signature Series Premium Ultraviolet System** from Excalibur Water Systems can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home. Designed to effectively treat flow rates of 8 gpm, this axial flow and rack system offers the quality, flexibility and convenience that you require for all your residential applications.



Visual & Audible Lamp
Life Monitor



Removable Cap

Filter Housing
Drain Plug



99.9999% Contaminant
Removal



Countdown Timer

*excluding consumables



Chemical-Free
Process



Durable, Long-lasting
coated UV lamps w/
ceramic bases



304 SS LPHO-
based system



Constant Current
Electronic Controller

Part #	Display	Flow Rate	Controller Dimensions L x W x H (in)
UVS 8GPMTP110L	LED Display	8 GPM	6.8" x 3.6" x 4"
UVS 8GPMTP110LP	4 Colour Display	8 GPM	6.8" x 3.6" x 4"



Signature Series Optimum Ultraviolet System

The **Signature Series Optimum Ultraviolet System** from Excalibur Water Systems offers the convenience of an all-in-one package, making installation a simple "in & out" connection. The system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the house. Designed to treat flow rates of 8 - 15 GPM, this axial flow and rack system offers the quality, flexibility and convenience you require for all your residential applications.



WiFi-Enabled - UV Concierge
Available for WEB,
iOS, and Android



99.9999% Contaminant
Removal



*excluding consumables



Filter Housing
Drain Plug

Removable Cap



Carbon
Filter



Chemical-Free
Process



Durable, Long-lasting
coated UV lamps w/
ceramic bases



Systems feature one-piece,
2-sump filter heads for a
leak-free design



Universal Mounting
Configuration

Part #	Display	Flow Rate	Controller Dimensions L x W x H (in)
UVS 8GPMTP220LP	4 Colour Display	8 GPM	6.8 x 3.6 x 4
UVS 8GPMTP220L	LED Screen	8 GPM	6.8 x 3.6 x 4
UVS 15GPMTP220LP	4 Colour Display	15 GPM	8.6 x 4.2 x 4
UVS 15GPMTP220L	LED Screen	15 GPM	8.6 x 4.2 x 4



Signature Series Ultimate Ultraviolet NSF System

The **Signature Series Ultimate Ultraviolet NSF System** from Excalibur Water Systems offers continuous monitoring for 24-hour peace of mind. The system can be installed on the home's main water line at the point of entry, treating all the water coming into the house. Designed to treat flow rates of 8 - 20 GPM, this NSF-certified ultraviolet system offers the quality, flexibility, and convenience that you require for all your residential applications.



WiFi-Enabled - UV Concierge
Available for WEB,
iOS, and Android



99.9999% Contaminant
Removal



Chemical-Free
Process



*excluding consumables



Simple Lamp
Changes



Colour Interface
displays UV intensity



Reliable, Long-lasting
coated UV lamps w/
ceramic bases



Cost-Effective
Treatment Process



Easy Maintenance

Part #	Display	Flow Rate	Controller Dimensions L x W x H (in)
UVS NSF840LP	4 Colour Display	8 GPM	8.6 x 4.2 x 4
UVS NSF1840LP	4 Colour Display	18 GPM	8.6 x 4.2 x 4

UV SYSTEMS JUST GOT A WHOLE LOT SMARTER


- Integrated WIFI solution for WEB, ANDROID, and iOS
- Easy set-up and login
- Data logging capabilities (i.e UV output over time)
- Safe & protected, cloud-based data management
- FCC Compliance
- SMS & email notifications

SAMPLE SCREENS





Additional Features:

- Effectively treat flow rates of 8 - 18 GPM
- 99.9999% destruction of bacteria, virus (E.coli and Coliform) and protozoan cysts (Giardia Lamblia and Cryptosporidium)
- LED or 4-Colour display models available
- Controller with Lightlock technology
- Universal mounting configuration
- Systems feature one-piece, 2-sump filter heads for a leak-free design
- UV Concierge iOS, Android & WEB app available
- “Future-proof” expandability port for future upgrades and options
- Reliable, industry-proven, coated UV lamps with ceramic bases for durability and long life
- 5-micron sediment & 5-micron carbon filtration with a 1” filter housing for easy installation and removal.
- Removable cap for easy drainage
- This system is  certified.



Clean, safe drinking water is essential for your health and well-being. At Excalibur Water Systems, we leverage cutting-edge technology to address a timeless concern: bacteriological contamination. Contaminants can exist in any water supply, particularly in rural areas or locations without access to municipal water treatment. Even with testing, consuming untreated surface water poses a significant risk.

Our Ultraviolet (UV) Disinfection Sterilizers provide an effective, chemical-free solution to safeguard your water. Designed to neutralize harmful bacteria, they offer reliable protection, ensuring your family enjoys safe, worry-free hydration every day.

Choose Excalibur Water Systems – Quality Through Innovation.



EXCALIBUR WATER SYSTEMS INC.

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