

DiUV Self-Cleaning Disinfection Unit

Ultraviolet (UV) Radiation Tertiary Treatment

with **CROSS X FIRE** TECHNOLOGY

WASTEWATER TREATMENT



The ideal retrofit solution to replace existing UV units or malfunctioning chlorinator tanks.

SUPERIOR UV PROTECTION

Cost-Effective

No drinking water test required.

Advanced and Reliable

Effluent meeting government regulations at all times thanks to the self-cleaning feature – 6 cleaning cycles per day. Maintains the UV radiation performance level optimal in all conditions.

Compact

Small footprint for a greater enjoyment of the property – suitable for new homes or the replacement of failing systems. Lightweight and optimized unit.

Quality Control

Preassembled unit for a quality installation and simple access to the lamps.

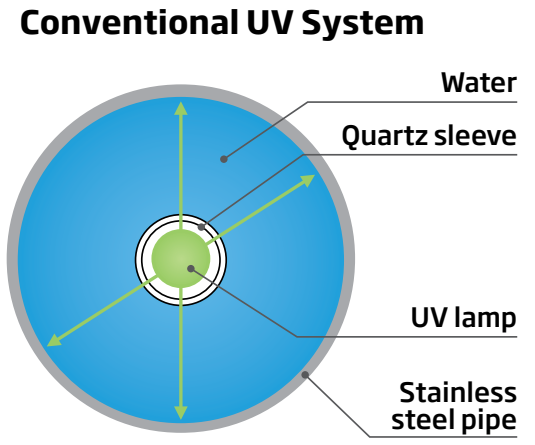
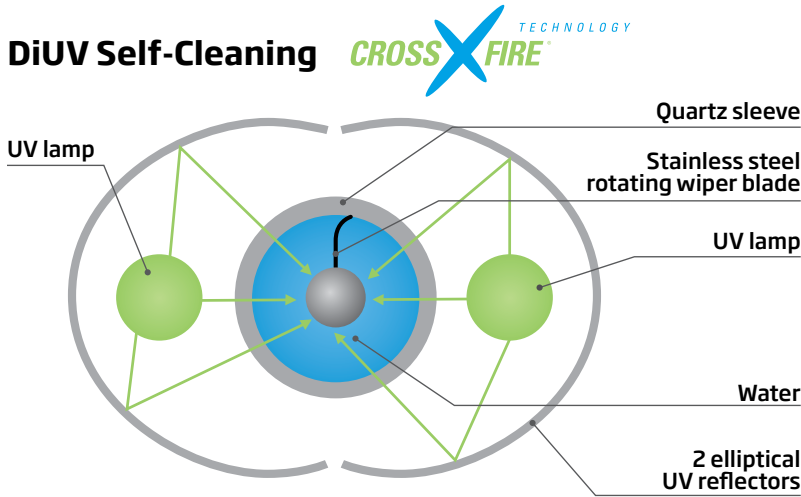
Features

Model	DiUV-STREAM
Hydraulic flow per min, Max	6.6 GPM (25 L/min)
Fecal coliform effluent	≤ 200 CFU/100 mL
BOD ₅ C influent to UV	≤ 30 mg/L
TSS influent to UV	≤ 30 mg/L
Hardness of influent water	≤ 500 mg/L

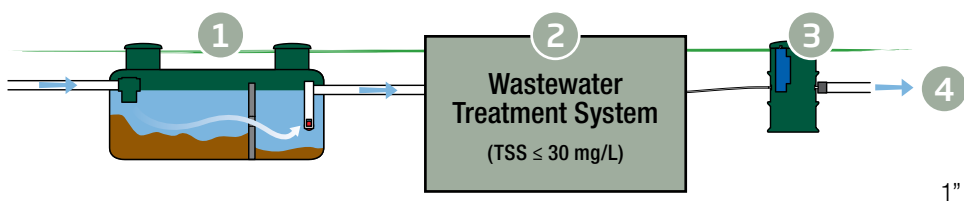


THE MOST RELIABLE UV DISINFECTION UNIT FOR DOMESTIC WASTEWATER TREATMENT

The DiUV Self-Cleaning includes an automatic system that cleans the quartz sleeve daily to ensure maximum efficiency of the UV radiation for wastewater disinfection, regardless of variations in water quality and lifestyle (high flow and no flow periods) from one household to the next.



TREATMENT CHAIN INCLUDING THE DIUV SELF-CLEANING



- 1 Septic tank equipped with an effluent filter**
Domestic wastewater is directed to a septic tank for primary treatment separating solids from liquids.
- 2 Domestic wastewater treatment system (TSS ≤ 30 mg/L)**
The system treats wastewater coming from the septic tank.
- 3 DiUV Self-Cleaning unit**
To attain a tertiary treatment level, wastewater meeting NSF Standard 40 Class I water quality is directed to the DiUV Self-Cleaning unit for disinfection. The water circulates through the quartz sleeve under controlled and constant flow rate, optimizing the duration of contact of the pathogens to the UV radiation and their maximum deactivation.
- 4 Final wastewater disposal**
The treated wastewater is discharged in accordance with local regulation.



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