

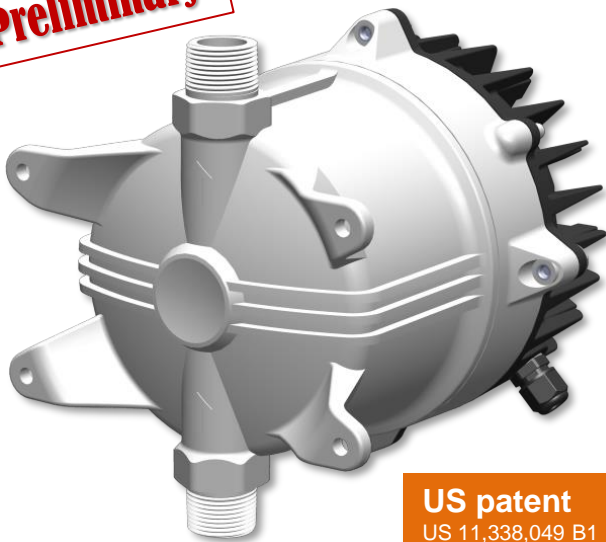
UEC1-040



UVC LED water disinfection reactor

Hergy UVC LED water disinfection reactor stands out as an exceptional solution for efficient water disinfection. It is equipped with high-power UVC LEDs and a patented flow chamber that incorporates a high reflection reflector, ensuring optimal performance and effectiveness. The reactor is easily installed in POE systems, making it suitable for a wide range of applications, including residential, medical, commercial, and industrial settings. With a high flow rate capability of up to 27 GPM, this reactor delivers reliable and powerful water disinfection, providing peace of mind for various water treatment needs.

Preliminary

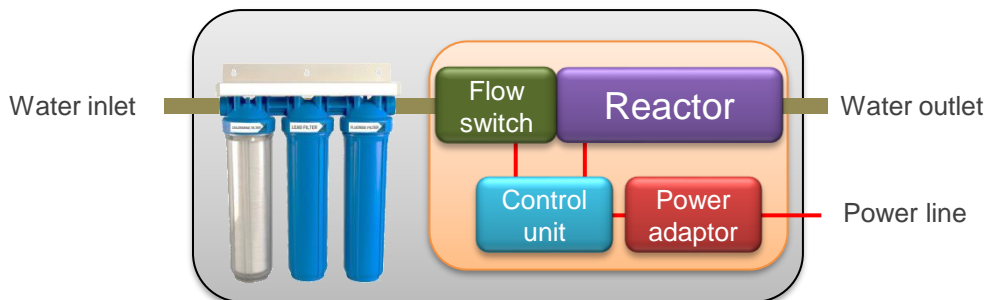


US patent
US 11,338,049 B1
US 11,503,689 B1

Features

- Durable light source (UVC LED)
- Instant on/off for extreme energy saving
- Physical disinfection & chemical-free
- UVC LED module is replaceable
- High volume of water treatment
- Intensity monitoring (option)
- UVC LED temperature monitoring (option)

UVC LED reactor is designed to be seamlessly integrated into the customer's POE system. In addition to the reactor, Hergy can provide a complete device package that includes flow switch, control unit, and a power adaptor. This comprehensive solution ensures a hassle-free setup and allows for convenient operation and control of the UVC LED reactor within the customer's desired application.



Specifications

Model	UEC1-040	
Weight	4.8 kg	10.58 lbs
Dimensions	226 x 234 x 238 mm	8.90 x 9.21 x 9.37 inches
Maximum flow rate	120 LPM	31.7 GPM
Water temperature range	0 ~ 40°C	32 ~ 104°F
Ambient temperature range	0 ~ 35°C	32 ~ 95°F
Storage temperature range	0 ~ 60°C	32 ~ 140°F
Power source	Power Supply 24Vdc, 60W at least	
Power consumption	50 W	
Input voltage	24 Vdc	
Maximum working pressure	100 psi	
Water inlet & outlet fitting	1 " MNPS, Metal fitting custom	
Certification	CE	
UV dose delivery	30 mJ/cm ² @ 40 LPM / 10.57 GPM	
Material	Housing: Plastic, Module: Aluminum, Chamber: PTFE	

Dimensions

