

Ideal38K Series UV Water Treatment

10 Year Limited Warranty
on Disinfection Vessel!

High Intensity Ultraviolet Water Disinfection with 38,000 $\mu\text{w}/\text{cm}^2$ dose

ME38K / MWE38K

Ideal Horizons ME38K Series UV Water Disinfection Systems are designed for residential applications up to 40 GPM and include our Ultraviolet Monitoring System. The system displays the UV intensity level inside the disinfection chamber on a 10 step remote LED meter, so the user can tell what the UV status is at a glance.



High Intensity 38,000 $\mu\text{w}/\text{cm}^2$ Dose

Ideal Horizons ME38K systems comply with dose requirements for NSF Standard 55 Class A systems. These systems will produce an ultraviolet dose at the failsafe set-point of 38,000 $\mu\text{w}/\text{cm}^2$, when operated in a properly specified installation. Ideal Horizons UV lamps are encased in precision cut, fire polished quartz sleeves that maximize UV exposure.

304 Stainless Steel Construction

Our disinfection chambers are fabricated from 304 stainless steel utilizing plasma arc fusion welding, unsurpassed for producing strong, food grade, uncontaminated welds.

Easy to Install

Ideal Horizons ME38K models install vertically or horizontally, after the pressure tank and any other treatment devices (such as softeners or filters) and before the point of first potable water use. For maintenance, the UV lamp and quartz sleeve are easily removed from the top of the unit.

Lamp Status Circuit

Each model also features an Electronic Lamp Status System to monitor lamp operation. A green LED indicates UV lamp operation. If the lamp goes out, the system will sound an alarm and trigger a set of contacts that can activate a separately installed remote alarm or solenoid valve.

MWE38K Models for specialized applications

MWE38K models have all the features of the ME38K, PLUS a wiper system for use where frequent cleaning of film or other deposits from the quartz sleeve is needed. With an MWE38K, no disassembly of the unit is required for routine cleaning!

In addition, MWE38K models have a removable flanged head allowing interior access for inspection and thorough cleaning. Ideal Horizons MWE38K models comply with state regulations that require this feature for the mechanical cleaning of the quartz sleeve.

Electronic Ballast option

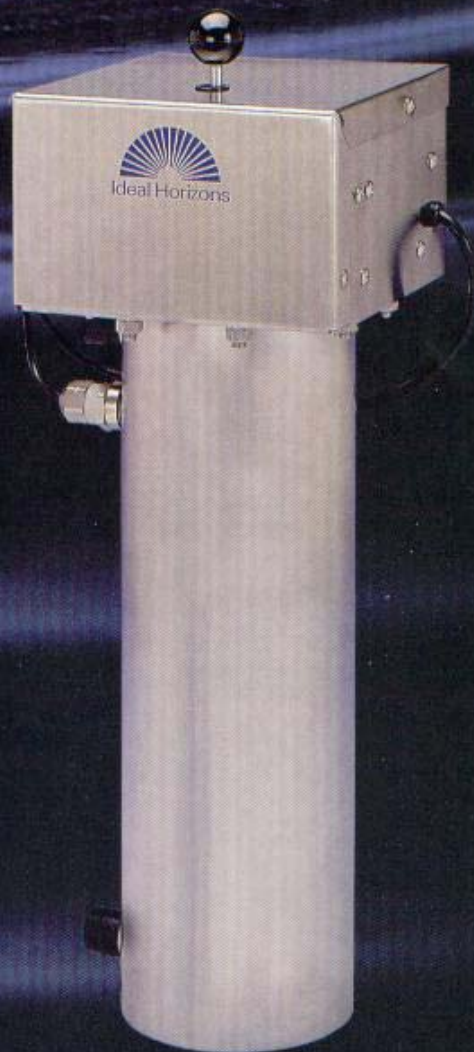
ME38K and MWE38K models are available with all electronic UV ballasts. Electronic ballasts maintain UV output stability in areas where wide voltage fluctuations occur.

ME38K / MWE38K Series Features

- 38,000 mic. watt sec/cm² of (254 nm) UV energy
- Complies with NSF Standard 55 Class A dose requirements
- Narrow Band UV Meter monitors the germicidal (254nm) wavelength. Includes: built-in audible alarm, plus fail-safe circuitry to activate solenoid water valve (valve optional)
- Heavy Duty 304 Stainless Steel Disinfection Chamber
- Heavy Duty Quartz Jacket protects UV lamp and maximizes liquid exposure to UV
- Built in Flow Control (4 through 20 GPM models)
- Manual UV Quartz Wiper (MWE30K)
- Low power consumption
- 9000 hour lamp life (approx. 1 year)

Options

- International voltages
- Electronic ballast
 - 100-130 VAC/50-60 Hz operation
 - 200-250 VAC/50-60 Hz operation
- Solenoid valve
- Metric pipe connections



Ideal Horizons™
Ultraviolet Equipment