

# Ideal 30K Series UV Water Treatment

10 Year Limited Warranty  
on Disinfection Vessel!

High Output Ultraviolet Water Disinfection with 30,000 $\mu\text{w}/\text{cm}^2$  UV dose

## ME30K / MWE30K

Ideal Horizons ME30K Series UV Water Disinfection Systems are designed for residential point-of-use or point-of-entry applications up to 60 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 output 30,000 $\mu\text{w}/\text{cm}^2$ dose

The Ideal Horizons ME30K models produce 30,000 $\mu\text{w}/\text{cm}^2$  of UV energy—far exceeding the current 16,000 $\mu\text{w}/\text{cm}^2$  guidelines specified by U.S. Government for residential applications (see specifications for complete details). Ideal Horizons UV lamps are encased in precision cut, fire polished quartz sleeves that maximize UV exposure.

### 304 stainless steel construction

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

### Easy to install and maintain

Ideal Horizons ME30K 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.

### MWE30K models for specialized applications

MWE30K models have all the features of the ME30K, PLUS a wiper system for use where frequent cleaning of film or other deposits from the quartz sleeve is needed. With an MWE30K, no disassembly of the unit is required for routine cleaning!

In addition, MWE30K models have a removable flanged head allowing interior access for inspection and thorough cleaning. Ideal Horizons MWE30K wiper system models comply with state regulations that require this feature for the mechanical cleaning of the quartz sleeve.

### Electronic Ballast option

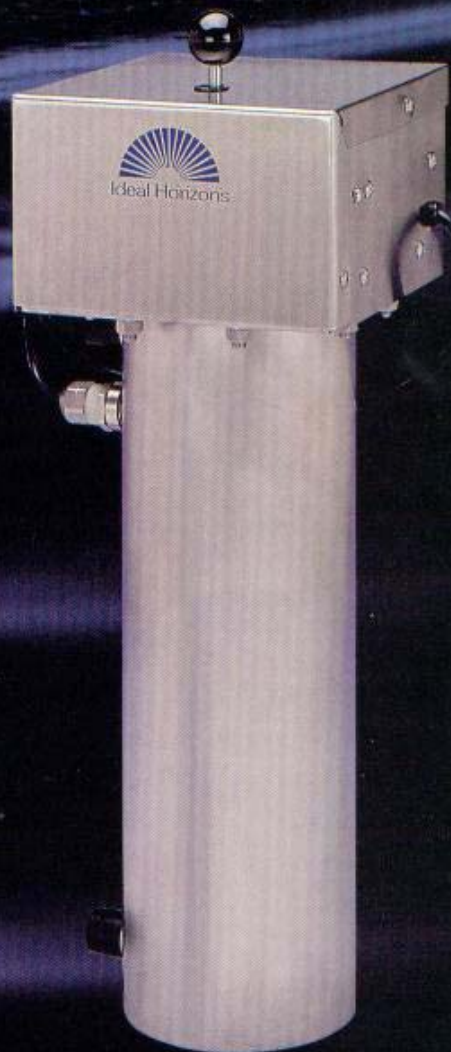
ME30K and MWE30K models are available with all electronic UV ballasts. Electronic ballasts maintain UV output stability in areas where wide voltage fluctuations occur.

### ME30K / MWE30K Series Features

- 30,000 mic. watt sec/cm<sup>2</sup> of (254 nm) UV energy
- 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 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