

MF Series UV Power Source

The MF series UV power sources are used with all single lamp UVDynamics water disinfection products. We believe that the MF series is the most advanced UV power source available anywhere. Microprocessor control with programmed lamp start insures adequate lamp pre-heating and predictable ignition voltages resulting in maximum lamp life and reliable lamp ignition at all ambient temperatures. Lamp current is constantly controlled regardless of the AC line voltage variations. As well as the standard visual and audio status indicators, all MF series products have the following features.

True Lamp Current Detection is used in all MF series products. This proprietary current measuring technique subtracts the current flowing through the lamp filaments from the total current flowing in the lamp circuit. This circuit enables the MF series ballast to control the lamp current more precisely and makes it possible to accurately verify lamp operation, even at lower input voltages which could cause less sophisticated current detection techniques to give a false lamp-on indication.



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Isolated Low Voltage Solenoid Output –Simply install and connect the solenoid valve. No external transformer, line voltage solenoid valves, or accessory cables are required. The MFUVD series is the only product to offer this feature, even on many models without UV detection capability

Lamp Change Reminder Timer is included on all models to remind users that the lamp has reached the end of its rated life. After the lamp has operated for approximately 12 months, the user is provided with a 28 day grace period. At the start of the grace period the timer LED will flash and the audio alarm will sound. Pressing the timer reset button when in the grace period mode silences the audio alarm for a seven day period. The alarm can be silenced for a total of four seven day periods but will not extend beyond the 28 day total.

Application Specific Design - The MF series product is specifically designed to operate low pressure germicidal lamps and is not a repackaged lighting ballast. Excellent thermal management and only the highest specification critical components insure long life.

The MF series ballast was designed and is manufactured by UVDynamics in our own facility. The product is assembled using SMT (surface mount technology) on automated equipment and each ballast is individually calibrated and tested prior to shipment.



WWW.UVDYNAMICS.COM

UVDynamics Inc.
315 Neptune Crescent
London, Ontario
Canada, N6M 1A9
t 800.667.4629 f 519.452.1701
email sales@uvdynamics.com

