

Inverter Microwave Electrodeless UV Lamp system

(T F L 506 I N V)

This is the first equipment of microwave UV lamp system to adopt the Inverter.

※Feature

- 1) Can be able to adjust UV intensity freely by change the microwave power variably.
- 2) Rapid start (only 5 seconds) /restart and because of the very low ripple inverter, very stable UV are obtained at any microwave power level.
- 3) Longer lamp life (about 4,000HR) due electrodeless bulb, High intensity UV & less heat system due microwave (Magnetron life about 8,000HR) method and compact size/light weight.



T F L 506 I N V UV system specification

1. Electricity

- (a) Supply Voltage ; AC200V \pm 10V & Three phases
- (b) Frequency ; 50Hz & 60Hz
- (c) Current ; Max 25.0Amp

2. UV Lamp

- (a) kind of lamp ; Metal Halide & Mercury Bulb
- (b) Effective lamp length ; 130mm
- (c) Lamp Input Power ; 0~3,000W
(Variable) (0~200 W/cm)
- (d) UV Intensity ; 0~1800 mW/cm²@5nm
(Variable) at Focus Point (48mm from L/U)

3. Consist of

- (a) Lamp unit ; L162 \times W160 \times H320&6.0Kg
- (b) Power Supply unit ; L460 \times W450 \times H300&29.0Kg
- (c) Control unit ; D187 \times W284 \times H108&3.0Kg
- (d) RF Sensor ; L70 \times W56 \times H30+18(Antenna)&0.2Kg
- (e) Cables & Wires

4. Cooling Air ; Max 5.5 m³/min \times Min 300mm H₂O

5. Control Function(Interlock)

- (a) Irradiation error or Lamp failure
- (b) Microwave leakage
- (c) Cooling Air failure
- (d) Inverter malfunction
- (e) External failure

※ In addition, fixed output type (Standard · 1800W / High Power · 2400W) is also available. Please contact us for more details.

3-10-1-1505 Kasukabe, Kasukabe-Shi
Saitama, 344-0061 Japan

TEL : 81-48-753-3312 / FAX : 81-48-761-6017

Mail : tokyo-foton@ah.em-net.ne.jp

URL : <http://www.tokyo-foton.co.jp>

TfL 東京フトン株式会社
TOKYO FOTON, LTD