



Heraeus Noblelight F600S

The F600S UV lamp system has been Heraeus Noblelight's workhorse product for more than 20 years. Reliable and solid-performing, it was designed for the industrial curing of inks and coatings and may be used effectively for a wide variety of applications. A modular 10-inch lamp system, the F600S system operates at 600 watts/inch. The microwave lamp operates without the metal electrodes required in conventional arc lamps.

The F600S UV lamp system's power stems from technical enhancements to the I600M irradiator and the P600M power supply. The P600M power supply has two power levels and is microprocessor controlled. During operation, the liquid crystal display offers continuous status updates and instant system diagnostic information. The irradiators can be placed end-to-end to create a lamp system of

almost any length, providing high uniformity for wide applications.

Heraeus Noblelight's modular, microwave-powered UV lamp and bulb technology is universally recognized for outstanding stability and long operational life. Our product development is driven by a customer-centric mandate of continual innovation and improvement.

Heraeus Noblelight Advantages:

- Fast UV Curing from High Peak Irradiance and Low Infrared
- Popular Bulb Spectra Available
- The Irradiator – Reduced maintenance, energy savings and flexibility

Specifications: F600S

Irradiator Model I600M • Irradiator with Blower: Model I600MB

***Weight:**

- I600M: 18 kg (39 lbs.).
- I600MB: 25 kg (55 lbs.).

***Dimensions:** 440 mm (17.3 in.) high x 210 mm (8.2 in.) wide x 270 mm (10.6 in.) long.

***Cooling Air:** Minimum 7.7 m³/min. (270 scfm) of filtered air at 2.2 kPa water gauge (8.9 in.) at the inlet (2.0 kPa inside the irradiator housing).

***Exhaust:** Minimum 10.6 m³/min. (375 scfm) at -50 Pa water gauge (-0.2 in.) measured in the light shield.

Reflector Geometry: Elliptical. Focus 53 mm (2.1 in.) from irradiator face (209 end reflectors available for far-field curing).

Lamp Power: Full power: 240 W/cm (600 W/in.); *6,000 watts total.

Footprint: 267 mm (10.5 in.) x 206 mm (8.1 in.).

Light Shield: Available upon request to customer specifications.

Bulbs Available: H, H+, D, V, Q, M.

Power Supply Model P600M

Weight: 80 kg (177 lbs.).

Dimensions: 221 mm (8.7 in.) high x 467 mm (18.4 in.) wide x 754 mm (29.7 in.) long.

Voltage: P600M: 380, 400, 415 volts, 3 phase, at 50 Hz or 380, 400, 460, 480 volts, 3 phase, at 60 Hz (specify at time of order). (Operation from 200, 208, 220, or 240 volt requires customer-supplied step-up transformer(s).)

Line Power: 10.8 kVA, 3 phase (6.2 kVA/phase).

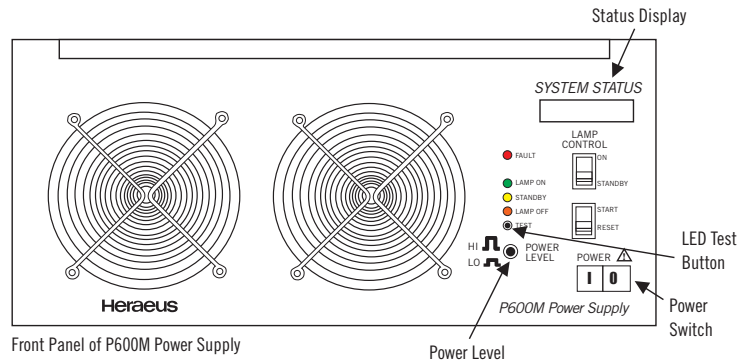
Rear Clearance: 300 mm (12 in.) required (for connections and air flow).

Bulb Input Power Levels:

- Full power: 6,000 watts.
- Low power: 4,000 watts.

Interconnecting Cables: Circular connectors with locking rings (not interchangeable with other Heraeus Noblelight power supply cables).

Control Voltage: Supplied internally.



The basic F600S [240 W/cm (600 W/in.)] system consists of the following items:

- An I600M-series irradiator.
- A P600M power supply.
- One cable assembly to connect the high voltage and control outputs from the power supply to the lamp.
- A Heraeus Noblelight RF (microwave) leakage detector assembly, RF-1.
- One cable assembly to connect the power supply to the RF detector assembly.

Utilities

Maximum Line Power: 10.8 kVA @ 100% power.

Maximum Line Current:

- 50 Hz, 16 amps.
- 60 Hz, 16 amps.

Water: None required.

Input Voltage: 380–415/380–480 V (50/60 Hz).

Compressed Air: None required.

NOTE: A separate blower power connection (200–240 VAC, single phase) is required to provide electrical power to the I600MB blower.

Note: If using a remote cooling or exhaust blower assembly, contact Heraeus Noblelight for dimensions and performance requirements.

Contact your local Heraeus Noblelight office for an engineered solution for your specific requirements.

F600S lamp system fully complies to applicable European and USA regulations and requirements.

heraeus-noblelight.com

Germany

Heraeus Noblelight GmbH

Heraeusstraße 12-14

63450 Hanau

Phone +49 6181 35 4499

Fax +49 6181 35 9926

hng-uv@heraeus.com

USA

Heraeus Noblelight America LLC

910 Clopper Road

Gaithersburg, Maryland

20878-1357

Phone +1 301 527 2660

Fax +1 301 527 2661

info.hna.uvp@heraeus.com

Japan

Heraeus K.K.

Noblelight Division

Sumitomo Fudosan Otowa

Building 1F, 2F, 5F

2-9-3 Otsuka, Bunkyo-ku

112-0012, Tokyo

Phone +81 3 6902 6602

Fax +81 3 6902 6613

info.hkk@heraeus.com

China

Heraeus Noblelight (Shenyang) Ltd.

Shanghai Branch

2F, 5th Building, No. 406 Guilin Rd

Xuhui District

Shanghai 200233, P.R. China

Phone +86 400 080 2255

Fax +86 21 3357 5333

info.hns@heraeus.com

ISO 9001 Certified QMS

