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 1600M 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.

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.

Compressed Air: None required.

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