

## Heraeus Noblelight UVC Cure

### Benefits

- Easy control through control panel
- Continuous UV dimming down to 70%
- Easy maintenance

### Features

- Variable Control  
A 0–10 Vdc control signal provides 70–100% UVC output. Response time is dependent on dimming step percentage.
- Rapid Start  
The UVC intensity is reached within 100 seconds for quick starting of the UVC module.

- Lamps can be mounted in various positions – for example, in an arc, around a chill roll, or over a flat, linear process.
- Lamp Cassette design allows for quick and easy maintenance. All electrical and air connections are on the rear of the cassettes.
- Three lamp cassettes and one control cabinet are supplied with the system.

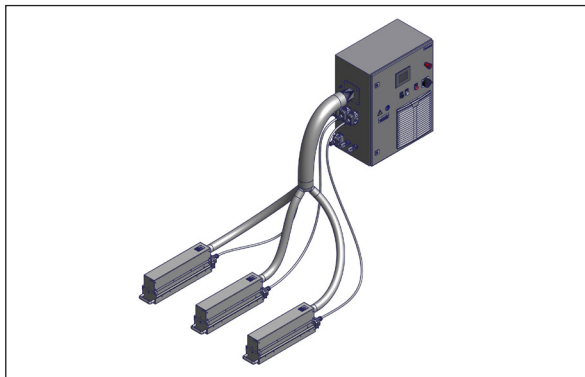
# Specifications: UVC Cure

## Electrical Data

Input Voltages	200–240 V, 50/60 Hz, 1-phase or 346–415 V, 50/60 Hz, 3-phase
Nominal Current	3.4 A
Nominal Power	1.7 kW
Electrical Input	Connector plug supplied – cabling responsibility of user
Lamp Cable (Cassette to Control Cabinet)	3 m length – one for each cassette

## Mechanical Data

Cassette Dimensions	125 mm (width) x 195 mm (height) x 644 mm (length)
Control Cabinet Dimensions	600 mm (width) x 760 mm (height) x 350 mm (length)
Radiation Window Size	64 mm x 280 mm
Material	Cassette is aluminum; control cabinet is sheet steel
Air Flow	5 m/sec. maximum at radiation window. Cooling air is filtered (filter grade F5) prior to entering lamp cavity.
Cooling Air Flow Required	75 to 250 m <sup>3</sup> /hour at control cabinet
Air Hose Lengths/Diameters	One large dia. hose from control cabinet to splitter fitting; three smaller dia. hoses from splitter fitting to ea. cassette. Allows user to place cassettes according to use/space.



## Radiation Data

UV Spectrum	254 nm (UVC)
UV Peak Irradiance vs Distance	120 mW/cm <sup>2</sup> @ 20 mm distance*
UV Dimming	Continuously, down to 70% UV output
Dimming Response Time	Dependent upon dimming step, 90 seconds for 30% step, 45 seconds for 20% step, instantaneously for 10% step
Quick Start	100% UV intensity instantaneously for hot lamp (recently operated) 100% UV intensity within 100 seconds (cold lamp)

\* Measured with Dr. Gröbel RM-21

## Controls/Interface

Safety	Main power switch
Switches	UV lamp on, UV lamp off, emergency stop
Indicators	UV lamp on, fault
Control Panel	UV intensity selection, cassette selection, operation hours counter, system ready, fault and warning indication
Dry Contacts	UV lamp on, emergency stop, system ready, warning, fault
Interface	0–10 Vdc analog signal corresponding to 70–100% UVC output

## Environmental

Operating Temperature Range	+5°C to +60°C (cassette), +5°C to +40°C (control cabinet)
Storage Temperature Range	-10°C to +60°C
Relative Humidity (Non-condensing)	25–80%

## Lifetime

UV Lamp Lifetime (Expected)	10,000 hours (under normal operating conditions)
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## Other

Certifications	Pending
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Contact your local Heraeus Noblelight office for an engineered solution for your specific 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 21 3357 5555  
 Fax +86 21 3357 5333  
 info.hns@heraeus.com

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