



Stationary UV-Lamp ZERO 800 IP 54-UV

Article number: 144.000.801

Main Advantages of the Zero 800 IP-54-UV

- High UV Intensity (minimum of 11.000 $\mu\text{W}/\text{cm}^2$ at a distance of 400mm)
- Protection class IP 54 (dust protection, protection against splashing water)
- Additional UVB – edge filter to protect against the remaining UV-B-und C rays
- Greater protection against unwanted starting of the UV lamp by starting the lamp only by pressing the start-button
- Safety measures taken when opening the case
- The lamp will switch itself off if the fan is damaged or the air intake or exhaust are clogged
- Additional cooling of the 800W UV-light by using a fan directly attached onto the lamp
- Easy maintainable by opening the front door
- When the lamp is switched off the fan will remain running for approximately 10 minutes to ensure a proper cooled lamp.

The stationary UV lamp Zero 800 is a compact model. The casing is manufactured out of sheet metal and encloses all electrical components. The main power supply is handled through a Oilflex 540P wire, German VDE REG Nr. 8583 with a yellow signal paint (RAL 1016). The VDE certificate ensures an even greater safety operating the lamp.

When plugging in the lamp by using the yellow main cable, the temperature gauge will show the temperature within the lamp body. When the main switch is switched, the UV light will start only after the start button is pushed. By using these safety measures a starting of the lamp caused by power interruption is not possible. Now the amp-meter will show the starting current. The hourly usage counter and the fan are started.

If the front door is opened, the lamp will switch itself off immediately.

After about 2-3 minutes the working current of about 3,3A is reached.

By watching the amp meter the user can forecast a possible UV lamp damage if the working current is below 3,3A.

The temperature control will switch off the lamp if a temperature of 70°C (158°F) is reached. Normal operating temperature is about 40°C (104°F). If the lamp is switched off the fan will continue to run for about 10 minutes to ensure a proper cooled lamp. The operating light will flash during this procedure. The falling temperature can be monitored on the temperature gauge.

Technical Data:

Total weight:	40 kg
Dimensions:	500 x 500 x 300 mm
Power cable:	approx. 3,5 m
Input voltage:	230V 50/60 Hz
Start-up current:	approx. 2 x 5,0 A
Operating current:	approx. 2 x 3,3 A
Starting time:	approx. 3-4 minutes
Life span of light:	approx. 1500 hours
Lamp output:	800 W
Total output:	approx. 1600 VA
Protection class:	I
Type of protection:	IP 54
Fuse (thermal/magnetic)	1 x 10 A 2-phase 2 x 5 A 1-phase
UV- Intensity	min. 11.000µW/qcm at a distance of 400mm
wavelength of UV light:	365 nm +/- 20nm

These demands are fulfilled:

EU-low voltage guideline and EU-guideline for electromagnetic sociability
 EN 60204-1:1998, EN 60335-2-27:2001, EN 61000-6-2:2002, EN 61000-6-3:2002, EN 60529/10.91
 PR DIN EN 1956 (EN 50081; EN 55011; EN 50082; IEC 801 Part 1 to 3),
 Guideline of the DGZfP (German Society for non-destructive testing) Nr. FA-EM-06-2001 v. 16.03.2001,
 test report UV-wavelength
 Berufsgenossenschaft BGV Bg 11, CE Zeichen, testing report EMV

Spare and extra parts:

Spare and extra parts:	Article-Number:
Preliminary unit	144.000.411
UV-Bandpass-filter	144.000.412
UV-Lamp	144.000.413
dustfilter:	144.000.416
UVB-edge filter	144.000.417
starting unit	144.000.418



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