

# IMMERSION LAMP ESS

UNIVERSAL

- Powerful Dinies UV Immersion lamps
- Versatile use
- Plug & Play System
- Acoustic lamp alarm
- 24 hours purification with low operating costs and without the use of chemicals
- Pluggable system
- Optional UVC lamps or ozone tubes
- Simple lamp replacement
- Can be retrofitted in existing systems



# Dinies

*just clean - with UV*



[www.evergep.com](http://www.evergep.com)



14.08.14 10:10:10  
Strömung m/s +0.0  
Lampen Gruppe 1 AUS  
Lampen Gruppe 2 AUS  
Dr. 1 AUS  
4 AUS  
FS: F#Display: Ein



**Dinies**



# IMMERSION LAMP ESS



## Immersion Lamp ESS

The universal Dinies Immersion lamp for your application area in ventilation technology, as well as in the food industry for the disinfection of surfaces or as a classic UV immersion emitter for water disinfection. The lamp head is made of stainless steel and can be exposed without difficulty to a water pressure of 2 bar (IP68). Due to the high quality the Dinies Immersion lamps meet the highest hygienic requirements. In developing, special emphasis was placed on easy handling in practical use. The immersion lamp can be simply and easily integrated into existing devices. Depending on requirements, the installation can be operated both as a UV-C tube and an ozone tube. All tubes are provided with a special lens splinter protection.

## Dinies control cabinet

The ESS line is especially suitable for applications where multiple immersion lamps are required and can be connected to an existing, on-site switching cabinet. As an accessory, a Dinies control cabinet can be provided and can be individually equipped according to customer requirements.

For example, acoustic or optical alarm lamp, SMS message when there is a defective lamp and more.

## Mode of action of UVC

UVC radiation has a high bactericidal effect. Without the use of chemicals, microorganisms such as viruses, bacteria, yeasts and fungi are eliminated within a short time (a few seconds).

Our Dinies light comes with extremely powerful UVC tubes having a wavelength of 254 nm, which do just that. The DNA of the microorganisms is changed so that reproduction is no longer possible.

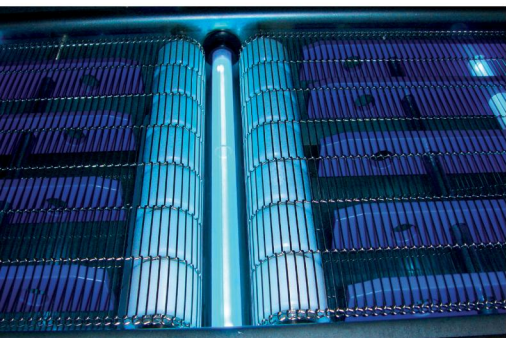
## Mode of action of ozone

Ozone is a highly effective disinfectant mechanism for sustainable elimination of unpleasant odours and hazardous microorganisms. Odour molecules are broken down and removed completely. With the powerful ozone emitter with a wavelength of 185nm, this effect is achieved optimally.

De-odorizing and disinfecting take place - without the use of chemicals.

## Applications

- **Surface disinfection:**  
Products, packaging materials, conveyor belts
- **Water disinfection:**  
Tanks, storage containers, wells, ponds, process water
- **Air disinfection:**  
HVAC systems, air washers



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## Technical Data

Model	Rated voltage	Rated power	UVC power	Installation length (L)	Overall length (OL)	Quartz tube Ø	Lamp burning time*	Acoustic Lamp alarm
ESS10-212	230V/50Hz	15W	3,5W	192 mm	292 mm	23 mm	8.000 h	no
ESS14-287	230V/50Hz	19W	4,9W	267 mm	367 mm	23 mm	8.000 h	no
ESS40-357	230V/50Hz	45W	14,0W	337 mm	437 mm	23 mm	16.000 h	yes
ESS48-436	230V/50Hz	53W	16,8W	416 mm	516 mm	23 mm	16.000 h	yes
ESS60-550	230V/50Hz	65W	21,0W	530 mm	630 mm	23 mm	16.000 h	yes
ESS66-620	230V/50Hz	71W	23,1W	600 mm	700 mm	23 mm	16.000 h	yes
ESS90-846	230V/50Hz	95W	31,5W	826 mm	926 mm	23 mm	16.000 h	yes
ESS119-1149	230V/50Hz	124W	41,6W	1129 mm	1229 mm	23 mm	16.000 h	no

\*Tested under laboratory conditions

## Control options:

- Monitoring of the system via LAN at the work place is possible
- Air flow monitoring to lamp control
- Monitoring of working hours with warning function
- Combined use with ozone available on request
- Lamp system pluggable on request
- Connectable with process systems Number of lamps according to customer requirements

