

# UV-CHAMBER

COMPACT

- Light polymerization of plastics
- UV purification
- Drying and hardening of glues, lacquering and polymerisation of synthetic materials
- Artificial ageing
- Ageing and erasing EPROMS
- Micro cleaning  
(with ozone radiation)



*just clean - with UV*

# UV-CHAMBER

## Use of the UV-chamber

Dinies UV chambers can be equipped with UV lamps of different wavelengths, whereby the equipment is very flexible and suitable for the most diverse applications.

On account of the low operating temperature of up to 40°C of the low-pressure lamps used, in contrast to medium or high-pressure lamps, in which temperatures can reach 800°C, temperature-sensitive materials can be brought very close to the radiation source.

This increases significantly the UV intensity on the surface of the parts and thus reduces production time.

The exposure time is adjusted by means of a mechanical (4hrs) or electronic (999hrs) timer.

Through use of a smooth-running drawer the materials are simply and safely transferred under the UV lamp. For safety reasons, the lamps switch off but when opening the drawer they are reactivated.

## Advantages

- Robust construction
- Ideal for laboratory and production
- Can be fitted with lamps of various wavelengths
- High radiation intensity with low heat production lamp
- Control of heat production
- Environmentally-friendly purification without chemicals

## Technical Data

Model	ELG100S	M1	M2	M3
Rated Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Rated power	40W	100W	200W	300W
Dimensions l x w x d [mm]	175x83x306	255x225x155	425x255x155	464x425x155
Weight [kg]	3,2	4,0	7,3	11,0
Admission [mm]	14	45	45	45
Radiation area [mm] LxB	225x150	220x195	220x395	429x395
Timer	Mechanical 0-4hrs	Elektronic 0-999hrs	Elektronic 0-999hrs	Elektronic 0-999hrs
Operating hours counter	-	yes	yes	yes
UV-power UVA (365nm) mW/cm <sup>2</sup>	8	7	7	8
UV-power UVB (320nm) mW/cm <sup>2</sup>	-	-	-	6
UV-power UVC (254nm) mW/cm <sup>2</sup>	15	18	18	18
UV-power Ozon (185nm) mW/cm <sup>2</sup>	✓*1	✓*1	✓*1	✓*1

(\*1): UV power for ozone lamps is not relevant, the ozone production is strongly influenced by the degree of absorption of the test object, etc.



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