

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)



Dinies

Technologies GmbH

just clean - with UV

www.dinies.com

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	LG07	ELG100S	M1	M2	M3
Rated voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Rated power	12W	40W	100W	200W	300W
UVC power	2,3W	7,3W	23,8W	47,5W	71,3W
Dimensions wxhxd (mm)	90x80x226	175x83x306	225x155x255	425x155x255	425x155x464
Weight (kg)	1,6	3,2	4,0	7,3	11,0
Admission height (mm)	21	23	45	45	45
Radiation area (mm)	60x90	120x225	195x190	395x190	395x399
Timer	Mechanical 0-1 hrs	Mechanical 0-4 hrs	Electronic 0-999 hrs	Electronic 0-999 hrs	Electronic 0-999 hrs
Operating hours counter	-	-	yes	yes	yes
Replacement lamp	1 lamp	2 lamps	4 lamps	8 lamps	6 lamps
UVA (350-400nm)	-	U11W-215A	U18W-217A	U18W-217A	U36W-411A
UVC (254nm)	U7W-115	U11W-215	U18W-217	U18W-217	U36W-411
Ozone (185nm)	U7W-115	U11W-215	U18W-217	U18W-217	U36W-411



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