

Photostability Test Chamber VP 500-L ...



The Vötsch photostability test chamber VP 500-L has an ideal light, temperature and humidity distribution and is thus able to simulate reproducible light and climatic conditions.

The lighting equipment complies with the ICH Guideline Q1B Option 2 and enables photostability tests to be performed in less than 100 hours.



All specimens are positioned at the same distance from the light source and are **evenly irradiated by a special light/UV filter system.**

This system can be equipped with appropriate light and UV sensors for recording irradiation values, e.g. the total number of lux hours as well as the total irradiation.

Standard

- Microprocessor monitoring and control unit S!MPAC* with touchpanel
- 2 shelves illuminated with UV-light and 2 shelves illuminated with white light
- Timers for light and UV-light
- Light and UV filters for ideal distribution
- Lockable door
- Water tank 19 l, with manual and automatic water supply possibility
- Patented vapour humidification (Sterile Steam System)
- Interface TCP/IP
- Password protected user panel

Important Options

- UV and Lux-Sensors with automatic integration function
- Analog line recorder
- Digital line recorder
- Software S!MPATI* - **Pharma FDA 21 CFR Part 11 conform**
- Qualification documentation
- DKD calibrations
- Mapping of light- and UV-distribution
- Spatial measurements for temperature and humidity
- Maintenance contracts



Technical Data VP 500-L

Volumes:	Litre	gross approx. 700 net approx. 460
External dimensions	WxDxH mm	815 x 935 x 2070
Test space dimensions	WxDxH mm	595 x 600 x 1305
Temperature range	°C	+10 to +50
Humidity range	%	20 to 90
Temperature deviation in time	K	±0.1 to ±0.5
Temperature deviation in space	K	±0.5 to ±1.0
Temperature gradient†	K	1 to 2
Humidity deviation in time	%	±1 to ±2
Illumination	lx	max. 25000
UV energy	W/m²	max. 3.7
Light distribution	%	approx. ±6
UV distribution	%	approx. ±10
Noise level‡	dB(A)	52
Electrical connection		1N/PE AC 230 V ±10 %, 50 Hz

Performance values refer to +25 °C ambient temperature. In accordance with IEC 60068-3-5.

‡ Free field, 1 m distance from the front, as per DIN 45635, part 1, accuracy class 2.