

Technical Information

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Aerostat® Guardian⇒CR Cleanroom (7500.G.CR) (Overhead ionizer)

- Neutralization of electrostatic charges at work areas
- For use in cleanrooms, class ≥ 100
- Patented emitter point cleaner
- Integrated fan with variable speed
- Integrated task lights (2 x 13 Watt twin tube)
- AC- Technology
- Outlet to daisy-chain up to 10 units
- Easy maintenance

Application:

- Disk drive manufacturing
- Semiconductor production, manufacturing of PCB's with ESDS devices
- Pharmaceutical industry
- Manufacturing of optical components



Monitoring LED's

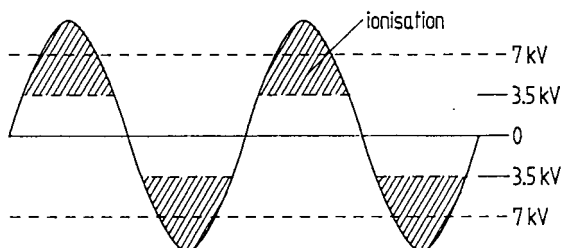


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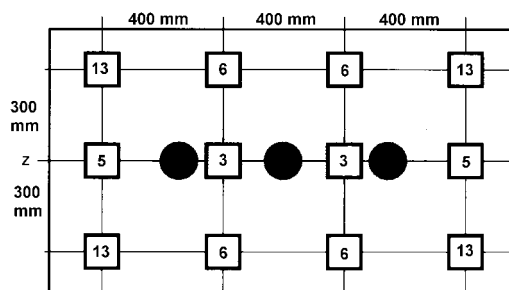
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**High voltage ionisation
with 3 round emitter strips
in combination with 3 fans**



**Decay time according to EN 61340-5-1
(1.000 V to 100 V)**

Measuring distance 450 mm

Maximum air flow

Decay time in seconds

Technical data:

Power supply:	230V/50Hz
Input current:	min. 0,2 A (without light) max. 0,8A (with light)
High voltage:	intern ca. 7kV/AC
Offset voltage:	Inherently balanced ± 5 V
Area of ionisation:	60 cm x 120 cm
Operating temp.:	0°C to 50°C
Dimensions:	108,6 x 10,2 x 17,1 cm (B x H x T)
Weight:	7,3 kg (aluminium, polyester coated housing)
Airflow:	variable 4,5 m ³ /min - 9m ³ /min
Noise:	50 – 60 dB



Ozone generation:

0,02 ppm (measured 30 cm in front of the unit)

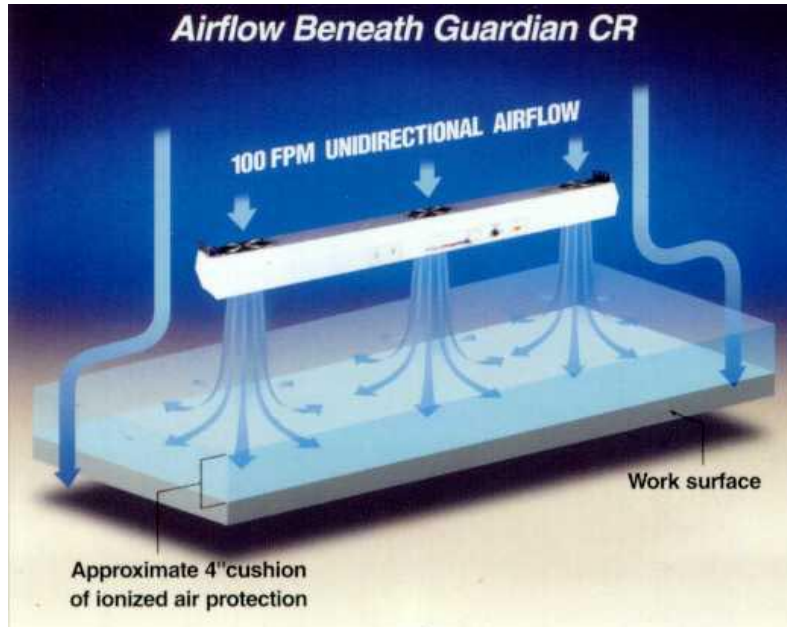
Maximum value according to DIN EN 100 015/1: < 0,1 ppm



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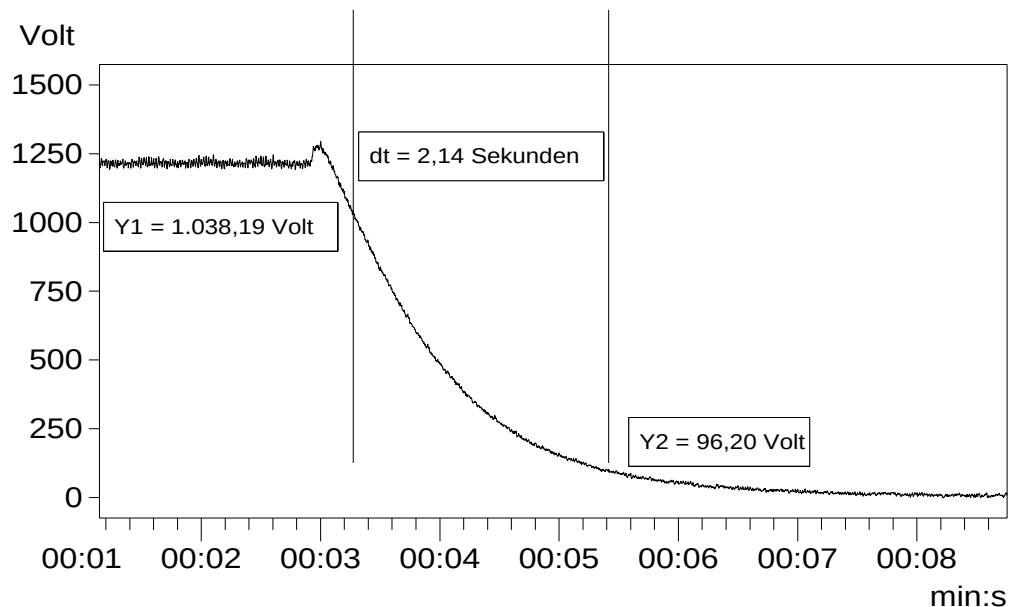
Airflow of the Aerostat Guardian CR



- Laminar, unidirectional air-flow with 0,5 m/s:

⇒ Building up an air cushion of ionized air.

Typical decay timing 1.000 V to 100 V (Measuring according to EN 61340-5-1)



Measured with a Charged Plate Monitor (CPM) Type EA-3 of SIMCO

Distance: 45 cm (middle), **Relative Humidity:** 32 %, **Temperature:** 20° C