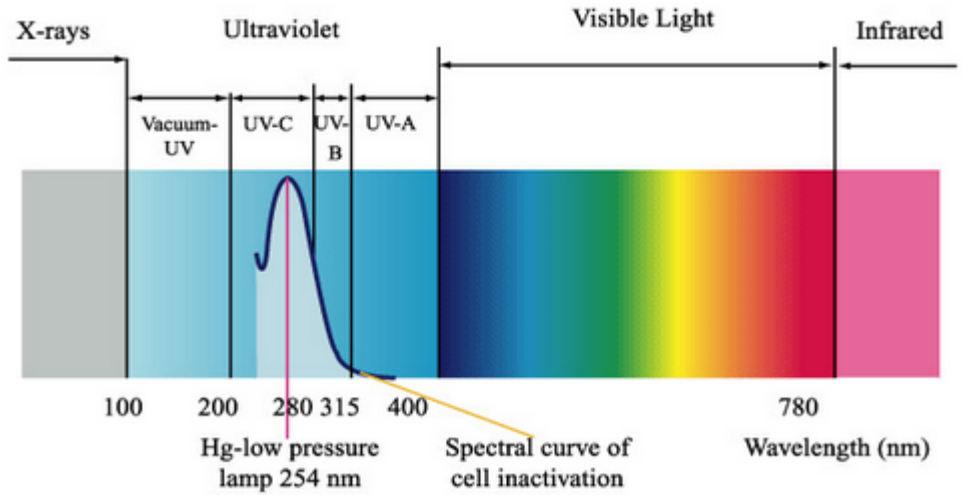
AC 20
Air Cleaner



This is UV-C radiation:

UV-C is ultraviolet radiation below 280 nm wave length which is not visible for the human eye as it is absorbed by the ozone layer. It has a strong impact to the nucleus of viruses, germs, funguses and spores and destroys them. At a wave length of 254 nm, UV-C light is most efficient for this application and this is the range of the used low pressure lamps which we use.

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General:

- AC 20 ist a air cleaning device which is using a fan to convey the room air into a antiseptic area
- The Air Cleaner is using the UV-C radiation of discharge lamps inside the housing
- UV-C radiation has a high antiseptic impact to micro-organisms which are existing in the surrounding (Viruses, germs, mold)
- When the air is flowing and passing the antiseptic area, 99% of the Viruses and bacteria are degraded
- Due to the installed light labyrinth it is avoided that UV-C radiation is able to pass out in a harming dose
- The installed UV-C lamps **do not** generate ozone!

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- Technical data:
  - Air throughput: 300 m3/h
  - Dimensions LxBxH in mm: 1200x400x400
  - UV-C Lamps:
    - Low pressure- mercury vapor- discharge lamp
    - Operating time 9000h
    - Wave length 254nm
  - Housing material: Stainless steel
  - Filter material: Filter fleece (dust filter)

- Installation:
  - Ceiling installation, fixture by four screws
  - Installation site: If possible centered in the room (Not in corners as the air has to circulate)
- Maintenance:
  - The filter has to be cleaned or replaced routinely. Find more information in the user manual
  - Change of discharge lamp after 9000 operating (about 1 year 24/7 operation)
- Room size: 150m^3

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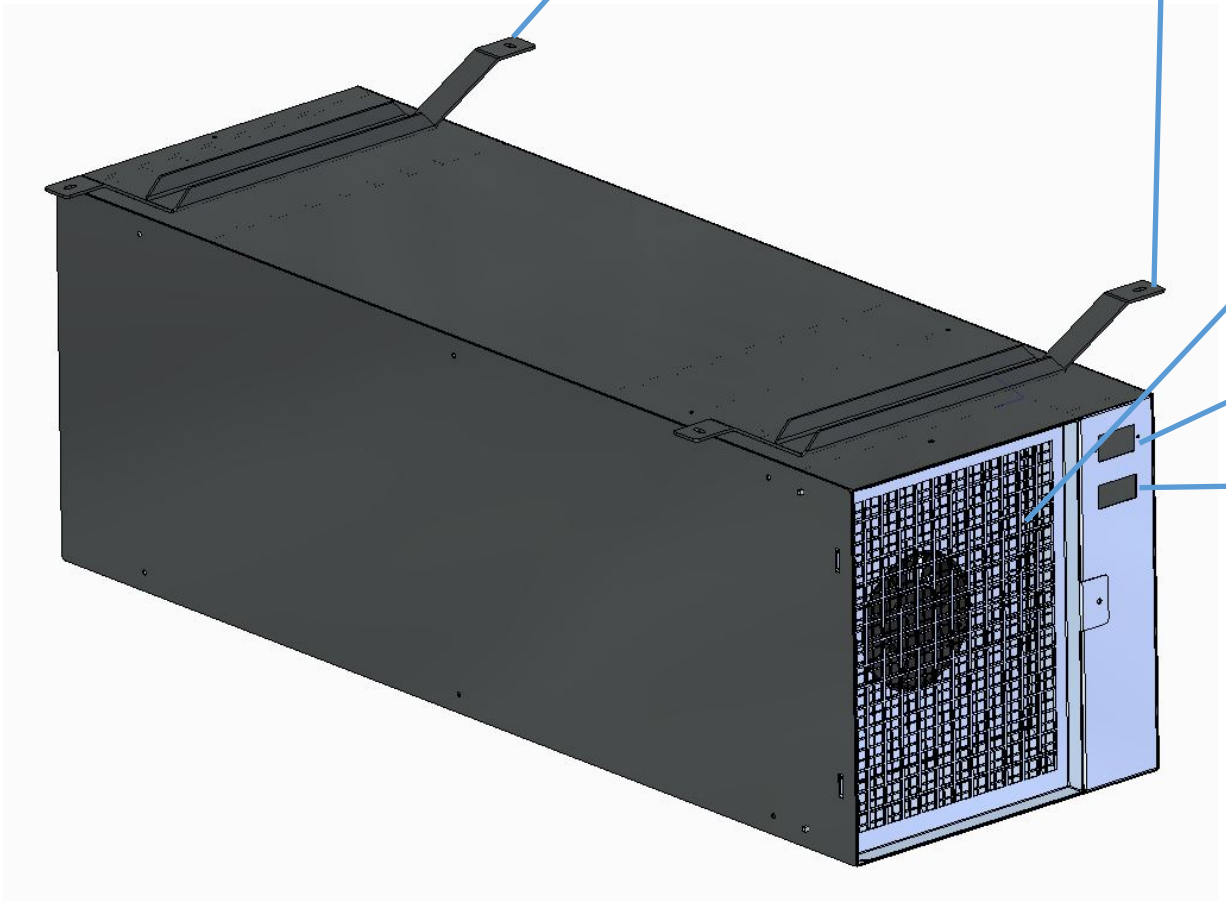
Back



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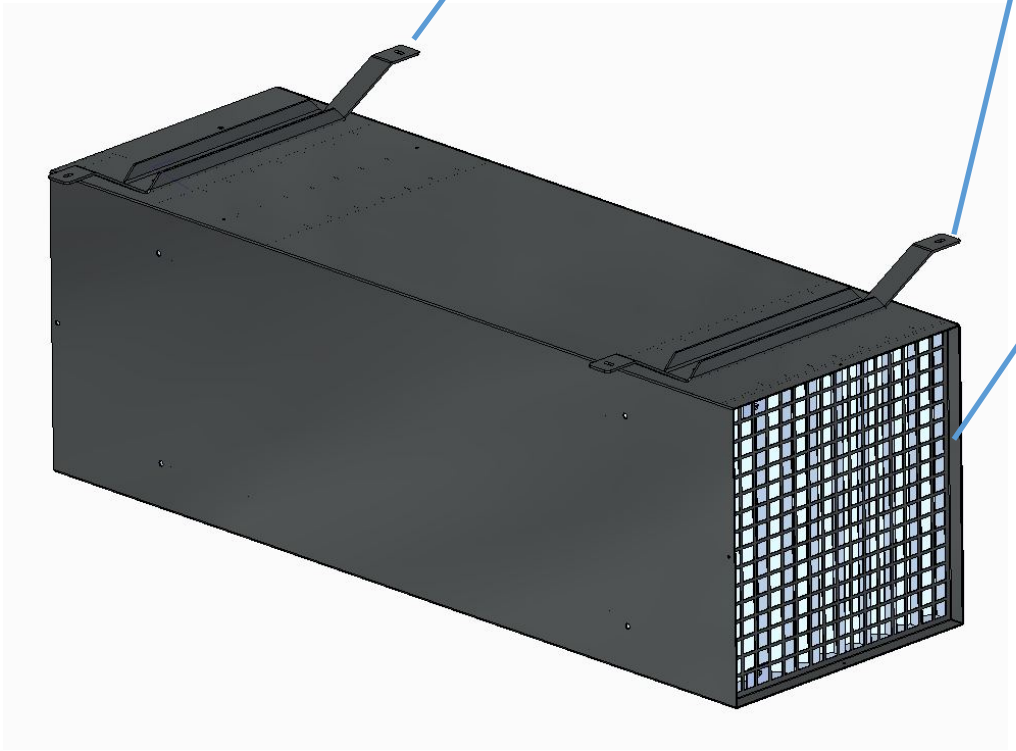
Front



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Cross section