

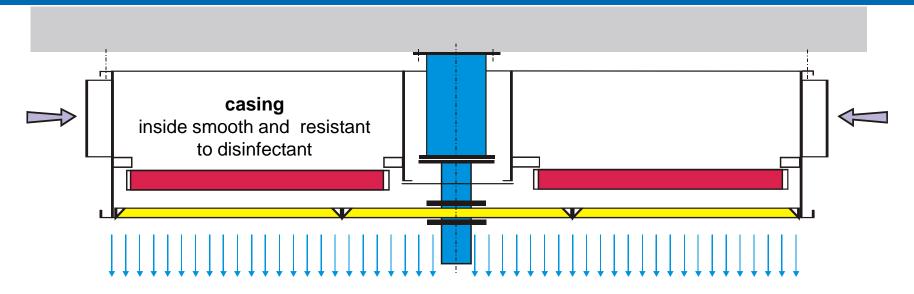
Air conditioning for hospitals, operating theatres and laboratories







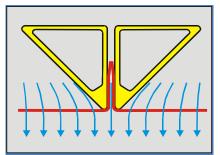
Construction of a low turbulent uni-directional airflow operating theatre ceiling



filters for ceilings



laminarisators



leadthrough

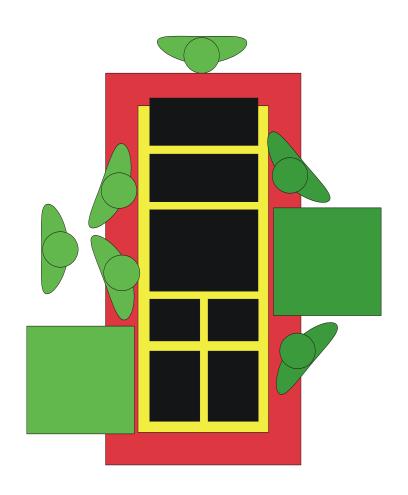


lint separator



- H13 (14)-Filters installed in the final stage
- suply air velocity ~ 0,23 m/s
- uni-directional airflow in the whole area of protection
- outdoor air flow rate ≥ 1200 m³/h
- exhaust air by lint separator

Area of protection





low turbulent flow 2400 x 1200 mm area of protection 2000 x 800 mm

low turbulent flow 3200 x 3200 mm area of protection 2800 x 2800 mm

Aerial leading aprons / flow stabilizers

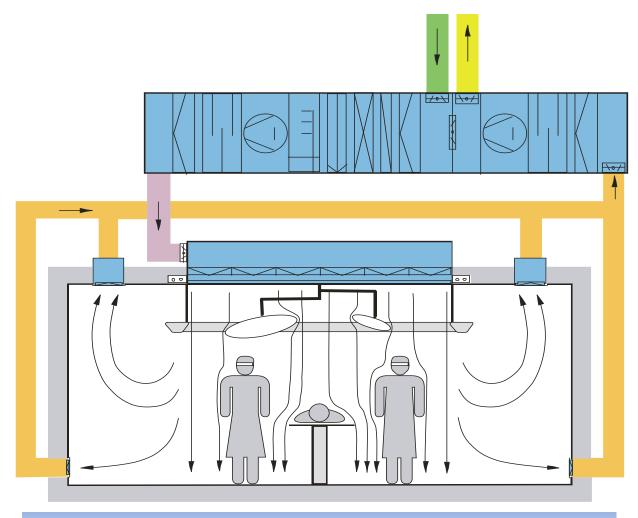
- prevent the flow of contaminated air with particles into the area of protection
- possibly flow stabilizers installed
 2,10 m above finished floor level







Central air conditioning



Outside air
Recirculation air
Extract air
Supply air

Supply air and mixing within the central AHU

Photo catalogue: hygienic compact air handling unit

- Integrated control technology
- Integrated cooling machines
- Run around coil system
- Integrated electrical cabinet



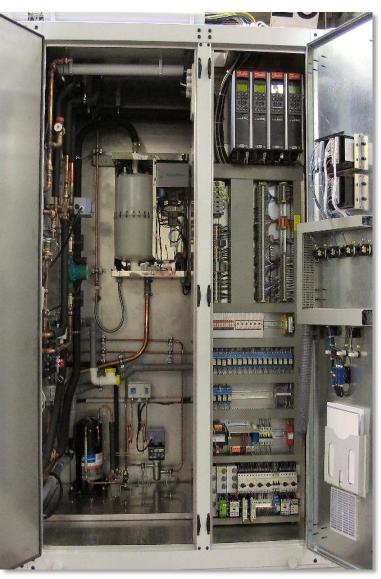


Photo catalogue: hygienic compact air handling units





- outside coated, inside stainless steel
- integrated cooling machines
- integrated electrical cabinet
- materials fulfil all requirements of guidelines like DIN 1946-4, VDI 6022,etc.



Photo catalogue: hygienic compact air handling unit

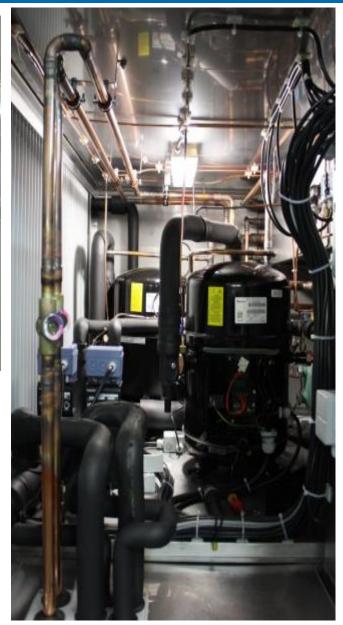


Photo catalogue: hygienic compact air handling unit with integrated cooling machines









ROX Ceiling: system test according to guideline DIN 1946-4



Photo catalogue: operating theatre, operating theatre lightning, media bridges

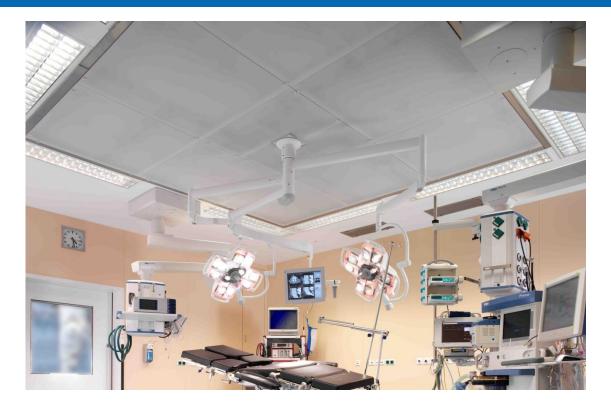








Photo catalogue: operating theatre, operating theatre lightning, media bridges



Photo catalogue: ceiling



Thanks for your attention!



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