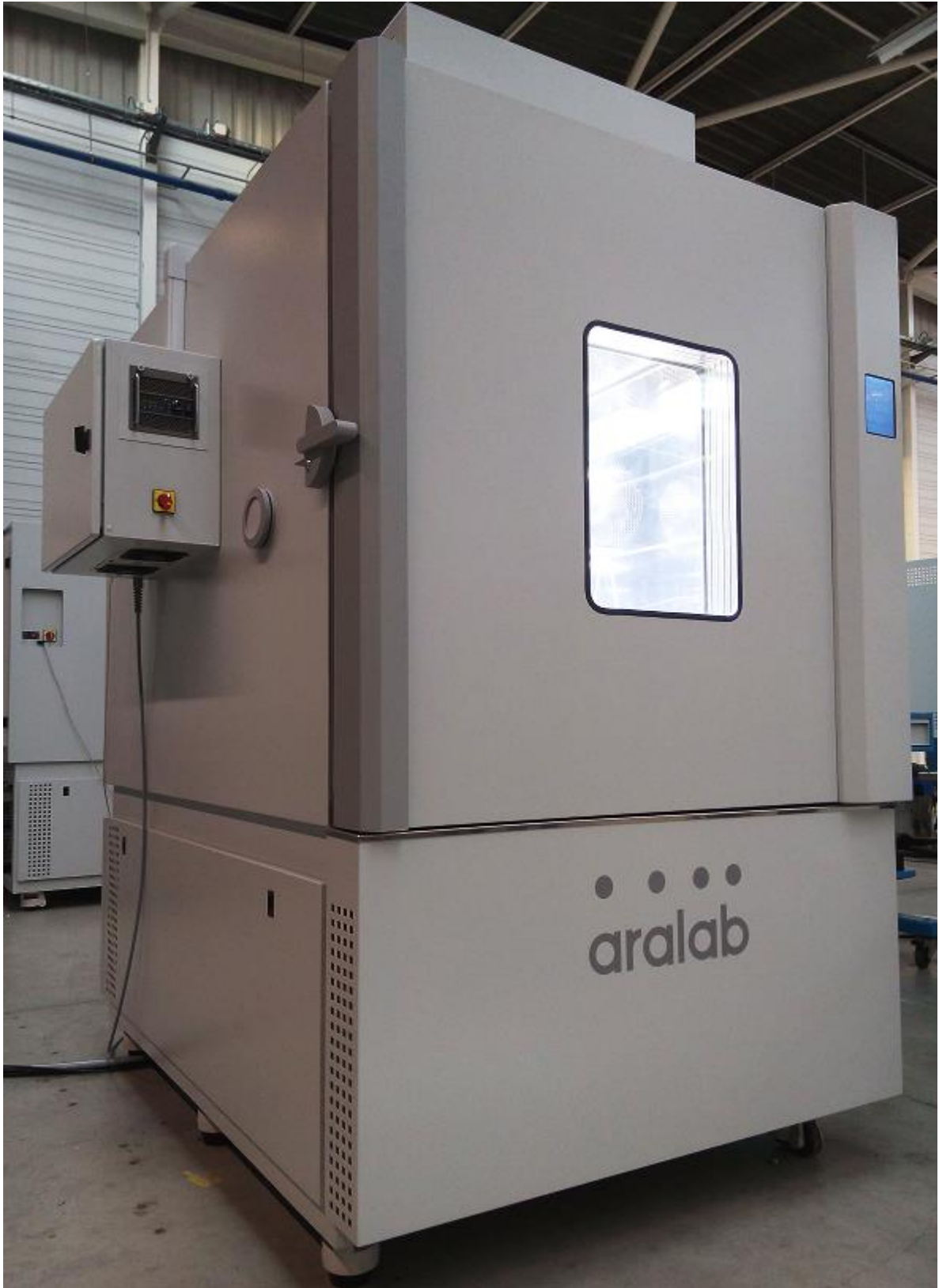


MHG test lamp in quartz glass cover

Sun simulation for integration with Aralab FitoClima 1.000 Environmental Test chamber



Technical Characteristics

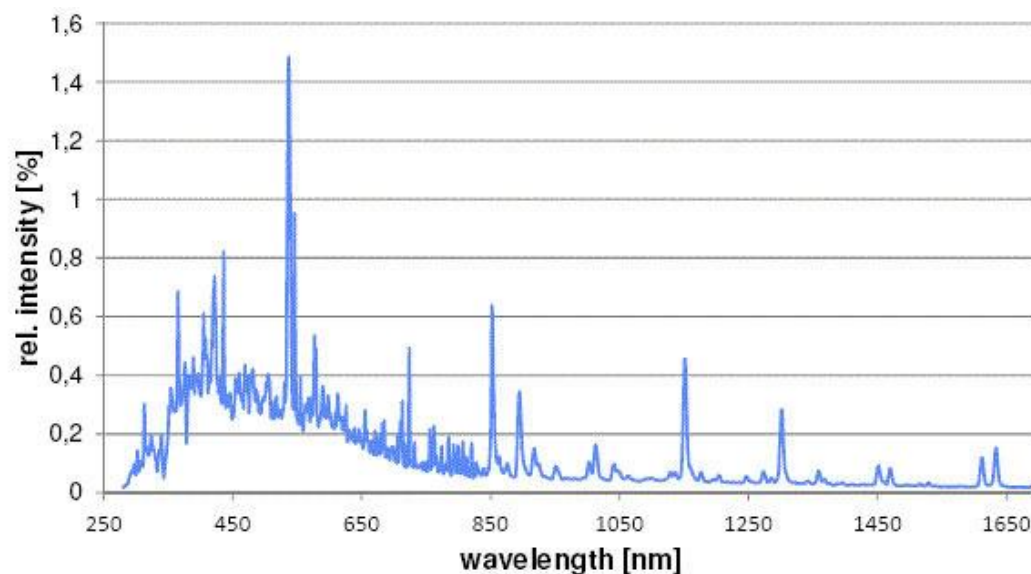
MHG Emitter

- One (1) luminaire with electro-polished aluminum reflector
- Luminaire dimensions (mm): 270x270x200
- 2.000 W lamp
- Main spectra: 280 ~ 850 nm
- Quartz crystal allowing all UV radiation to pass through
- Thermal protection
- Cooling forced by external turbine
- Motorized damper with temperature control of the extracted air, for placement at the exit of the corrugated hose

Electrical Cabinet

- Metallic control cabinet
- Cabinet dimensions (mm): 600x600x250
- Lamp powered by electronic ballasts
- Linear power adjustment by percentage with potentiometer
- Visual and acoustic alarm signals for failure of over heating
- Electrical connection: 3 Phase 400V + Neutral + Ground
- Optional: Touch-screen and PLC controllers

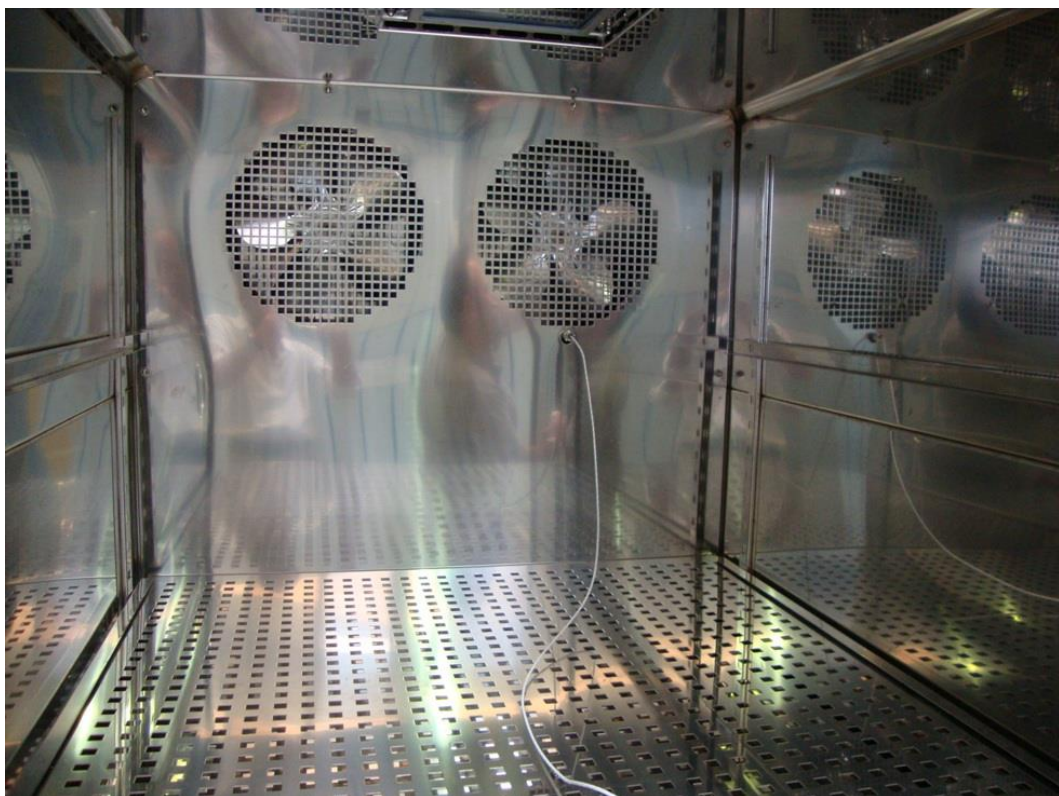
Spectral distribution:



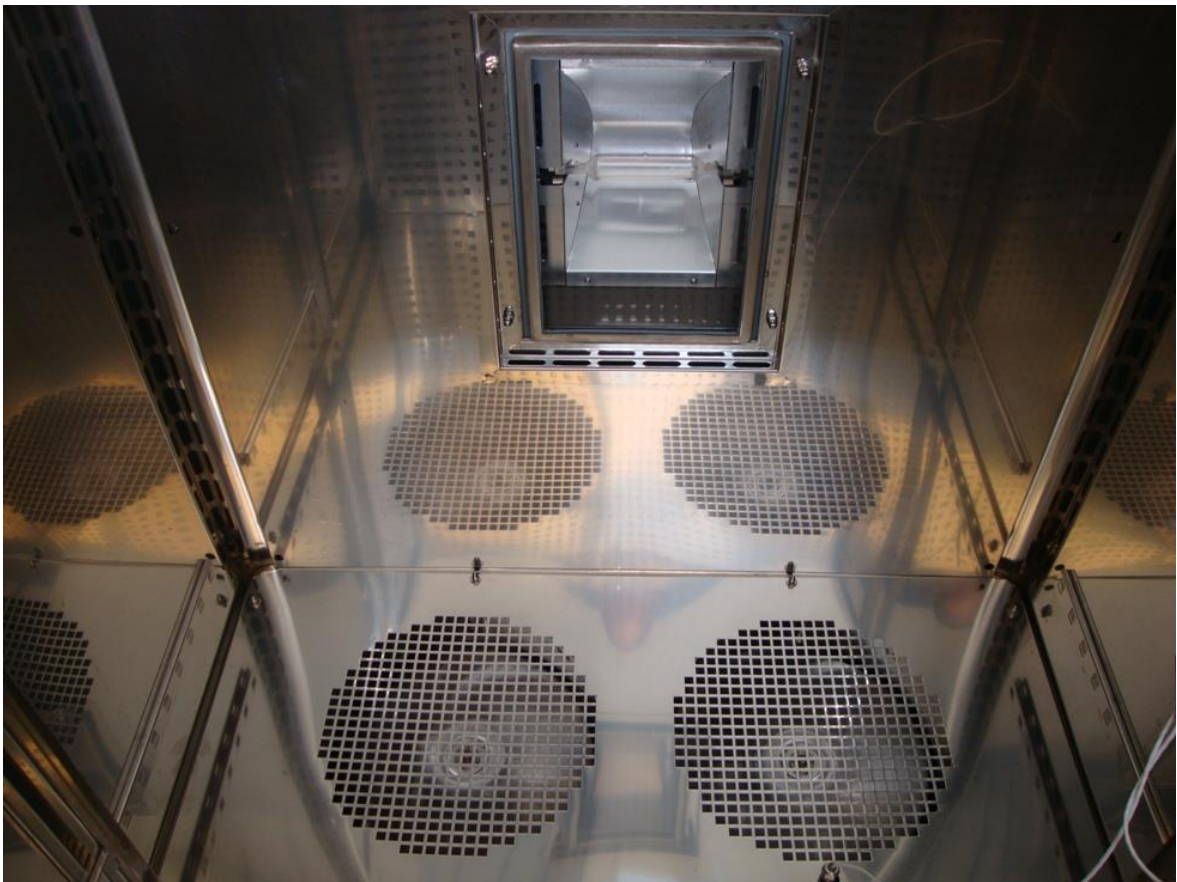
Integration with Aralab FitoClima 1.000 Environmental Test chamber



Left side: original standard version. Right side: open door and sun simulator accessory assembled on top of chamber



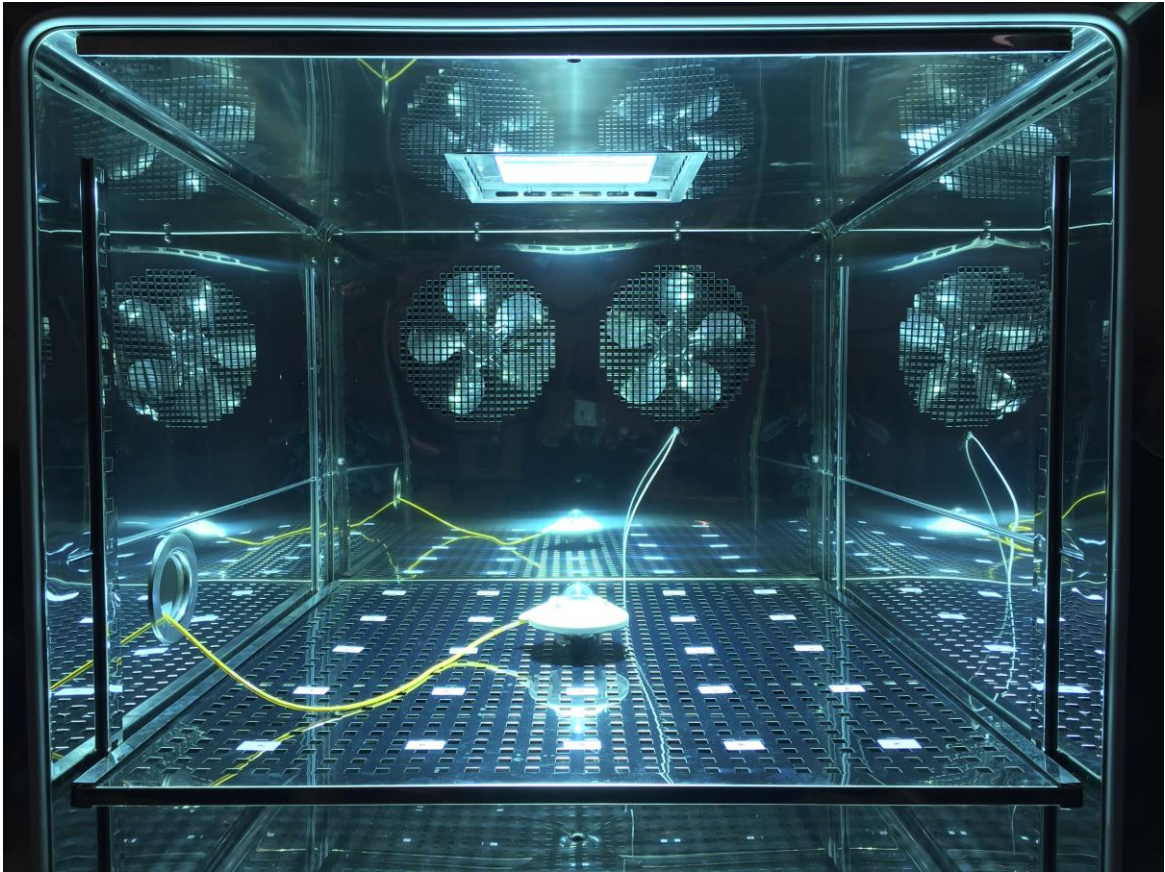
Interior view of climatic test space: Reinforced stainless steel shelf, mobile temperature sensor and lamp installed in ceiling



Interior view of chamber ceiling with sun simulating lamp protected by quartz glass



External view of chamber ceiling with lamp accessory and control board (left side). Door with cover lid.



Magnetic door lock integrated with control board securing the chamber door is not opened during test cycles

