



Aseptic Isolator

Technical specifications

Overall Data of the Aseptic Isolator

Clean room class at installation site: ISO 8/ D or better
Weight of the system incl. 2-Glove/ 4-Glove airlocks: approx. 900 kg/ 1200 kg

Media Connections

Electrical: 3 x 400 V/ 50 Hz/ 8 kW
Compressed air: H14 filtered 6 bar [2:2:2], 400 L/ min
Exhaust air/ supply air: 150 to 300 m ³ / h (parameterizable)

Control and Monitoring

Intuitive touch screen user interface: 9"
PLC model: Siemens S7-1500

Isolator Chamber (workspace)

Clean room class in the isolator chamber: ISO 5/ A
Front pane glass type/ sealing system: ESG 15 mm/ dynamic
Tightness class of the isolator chamber according to ISO EN 14644-7: 3 - 4
Material of the surfaces touched by the product: 1.4404 Ra < 0.80 µm
Illuminance in the working area: > 650 LUX
Air pressure in the isolator chamber (SET): 10 to 100 Pa (parameterizable)
Protectivefilter circulating air: HEPA H14
Removable bottom: 3 pieces
Sterile test pump: fully integrated

Protection Class

Primary: Product protection
Secondary: Personal & environmental protection

Isolator Supply Air Module

Rectified flow (TAV): 0.3 to 0.45 m/s +/-20% (parameterizable)
Mainfilter stage: HEPA H14

Lock

Air pressure in the airlock (SET): 10 to 100 Pa (parameterizable)
Protection filter recirculation/ exhaust air: HEPA H14
Design of the door to the protection module: sliding door, pneum. operated
Design of the door to the ambient room: revolving door, manual, dynamically sealed

H₂O₂ Decontamination

Isolator for H ₂ O ₂ decontamination: ready
Decontamination level: LOG 6 reduction

Integrated „ISU Compact“ H₂O₂ Gas Generator

Storable cycles: 1-10 (optionally expandable)
Pump: high precision metering pump
Reproducibility: +/- 1
Scale: 0- 6000 g
Visualization: external- via isolator
Injection rate: 1-10 g / min
Volume flow: variable up to 60 m ³ /h
H ₂ O ₂ reservoir: up to 5 liters (technically pure H ₂ O ₂)