



Sterile Test Isolator

Technical specifications

Overall Data of the Sterile Test Isolator

Clean room class at installation site:
ISO 8/ D or better

Weight of the system incl. 2- Glove/ 4-Glove air-locks: approx. 900 kg / 1100 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 m³/ h
(parameterizable)

Steuerung und Überwachung

Intuitive touch screen user interface: 9"

PLC model: Siemens S7-1500

Isolator Chambers (work area)

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: 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)

Protective 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 H₂O₂ 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 m³/h

H₂O₂ reservoir: up to 5 liters
(technically pure H₂O₂)

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