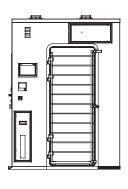


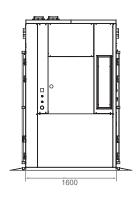
VHP Decontamination Lock

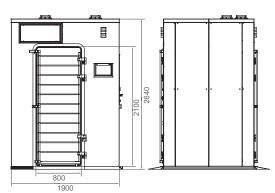
Material airlock providing rapid H_2O_2 decontamination.



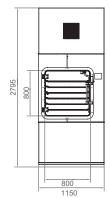




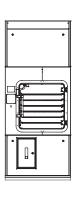












VHP Decontamination Lock

Dimensions in mm - VHP Decontamination Lock 1

Width	1900
Height	2640
Depth	1600
Closing door height	2100
Swing door width	800

Dimensions in mm - VHP Decontamination Lock 2

Width	1150
Height	2795
Depth	840
Closing door height	800
Swing door width	800

Description

Decontamination locks are most frequently used as a pass-through to transfer material between rooms with different classes of cleanliness (typically B and C), whereas material must be decontaminated (by means of surface sterilization) before entry into the room. Loaded materials are decontaminated using hydrogen peroxide vapour with a 6-log reduction. A hydrogen peroxide vapour generator is a part of the equipment.

- Integrated VHP generator
- Decontamination pass-through cabin may be fitted onto the wall separating individual rooms
- Lock complies with the leak tightness classes pursuant to ISO 10648-2
- "B" class cleanliness according to the EU GMP Standard
- Electronic control system for automatic adjustment of basic operating modes managed by Siemens PLC
- Color touchscreen controls
- Mobile perforated shelves allow sterilization of the product from all sides
- Process works at normal temperatures (at about 25 to 30 °C) and normal pressures
- O Jacket material stainless steel AISI 304

- Pass-through chamber material AISI 316L with a thickness of 3.00 mm, polished surface finish, Ra < 0.6 μm
- Rounded corners R = 55 mm
- Inlet and outlet H14 HEPA filtration
- O Possible validation of decontamination cycle
- Possible data recording on a recording unit, printer or PC
- Low operating costs
- o Decontamination a low-temperature
- Quick interval of a decontamination cycle
- Long operation life, minimal maintenance demands
- Easy handling and operation









Options

Main switch (01)



HMI control panel ©2



Chamber closing door (3)

It is made of PMMA with a thickness of 25 mm. The door is sealed with a silicone pneumatic seal. A sensor monitors the closing of the door; another sensor controls the mechanism that prevents the door from opening.

Perforated shelves (04)

4 pieces, standard perforated shelves for loading material.

Compressed air inlet 05





Paperless recorder 08



VHP distribution (09)



Distribution pipe for optimal gassing inside the chamber.

Pressure fuse 10

H₂O₂ concentration sensor – high

Process sensor inside the chamber.

H₂O₂ concentration sensor – low

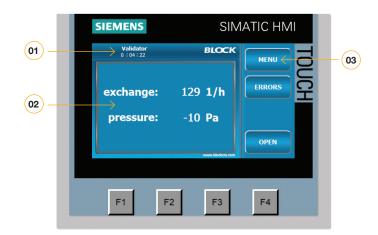
Safety sensor inside the chamber.

H₂O₂ concentration sensor – low

Safety sensor outside the chamber.



HMI Control Panel



Owerview of Functions

- User Login and automatic log-off countdown timer
- Display for measured physical values in the chamber interior
- Device operation modes menu, Alarm and Settings menu