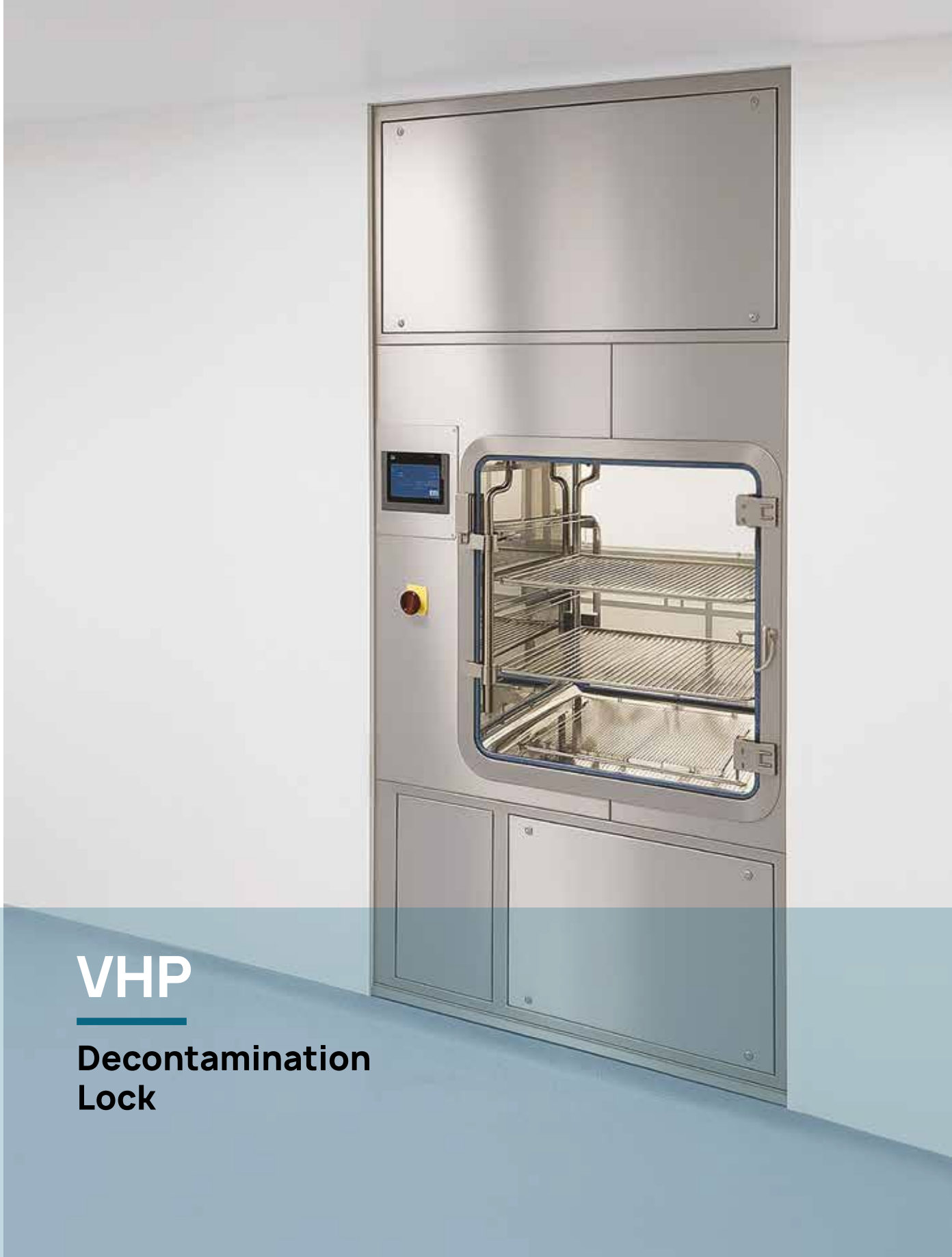


TIMOTEC



VHP

**Decontamination
Lock**

Hygiene Disinfection

The decontamination pass-through cabinet is used as a material pass-through for transferring materials between rooms with different cleanliness classes or different BSLs. A decontamination cycle using hydrogen peroxide vapor is used to decontaminate tools and materials.

Hydrogen peroxide vapors effectively destroy bacteria, viruses, spores, and mold without damaging sterilized materials. After the process is complete, hydrogen peroxide decomposes into water and oxygen, making it an environmentally friendly solution.

STANDARDS AND CERTIFICATIONS

Our production processes and products comply with international standards ISO 14937, GMP guidelines (EudraLex Volume 4), ČSN EN ISO 14644-7 standards, and other regulations, ensuring the highest quality and safety.





VHP Decontamination Lock

TIGHTNESS CLASS 3

According to ISO 10648-2.

CLEANLINESS CLASS „B“

According to EU GMP standard.

HYDROGEN PEROXIDE

Antibacterial agent approved by the FDA at 35% concentration, which quickly oxidizes the cell walls of microorganisms, thereby destroying them.

INTUITIVE CONTROL

Using a SIEMENS touch screen with program selection.

CONSTRUCTION MATERIAL

Chamber - 3 mm thick AISI 316L stainless steel.
AISI 304 stainless steel, SB ground surface.

DATA COMMUNICATION VIA PROFINET

Modbus TCP/IP, Modbus RTU.

CAN BE SUPPLIED WITH AN EXTERNAL OR INTEGRATED H₂O₂ VAPOR GENERATOR

STANDARD EQUIPMENT

SWING DOORS

Made of 25 mm thick PMMA. The doors are sealed with a pneumatic seal made of silicone.

ROTRONIC SENSOR

Temperature and humidity measurement.

HMI PANEL SIEMENS

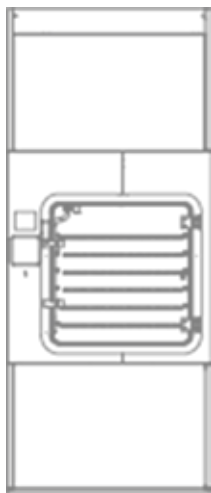
Touch screen, Simatic control system.

HYDROGEN PEROXIDE DISTRIBUTION

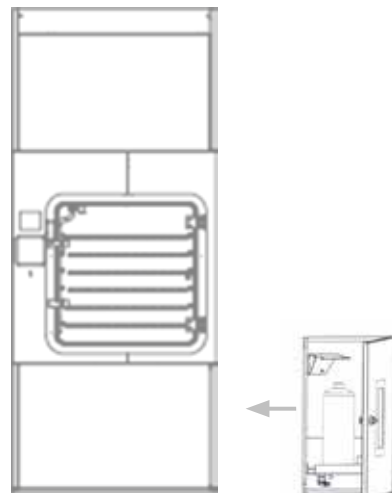
Distribution piping for optimal gas distribution inside the chamber.

SHELVES

Mobile wire shelves allow for sterilization of the product from all sides.



WITH EXTERNAL H₂O₂ VAPOR GENERATOR



WITH INTEGRATED H₂O₂ VAPOR GENERATOR

ADVANTAGES

- CAN BE INTEGRATED INTO PARTITIONS
- DECONTAMINATION USING HYDROGEN PEROXIDE VAPOR
- SUITABLE FOR USE WITH CORROSION-SENSITIVE MATERIALS
- HIGH EFFECTIVENESS AGAINST A WIDE SPECTRUM OF MICROORGANISMS
- GENTLE ON MATERIALS AND THE ENVIRONMENT
- LOW OPERATING COSTS
- LONG SERVICE LIFE
- MINIMAL MAINTENANCE
- EASY HANDLING
- PROCESS AUTOMATION AND MONITORING



HMI PANEL

THE DEVICE IS CONTROLLED BY A SIEMENS COLOR TOUCH SCREEN

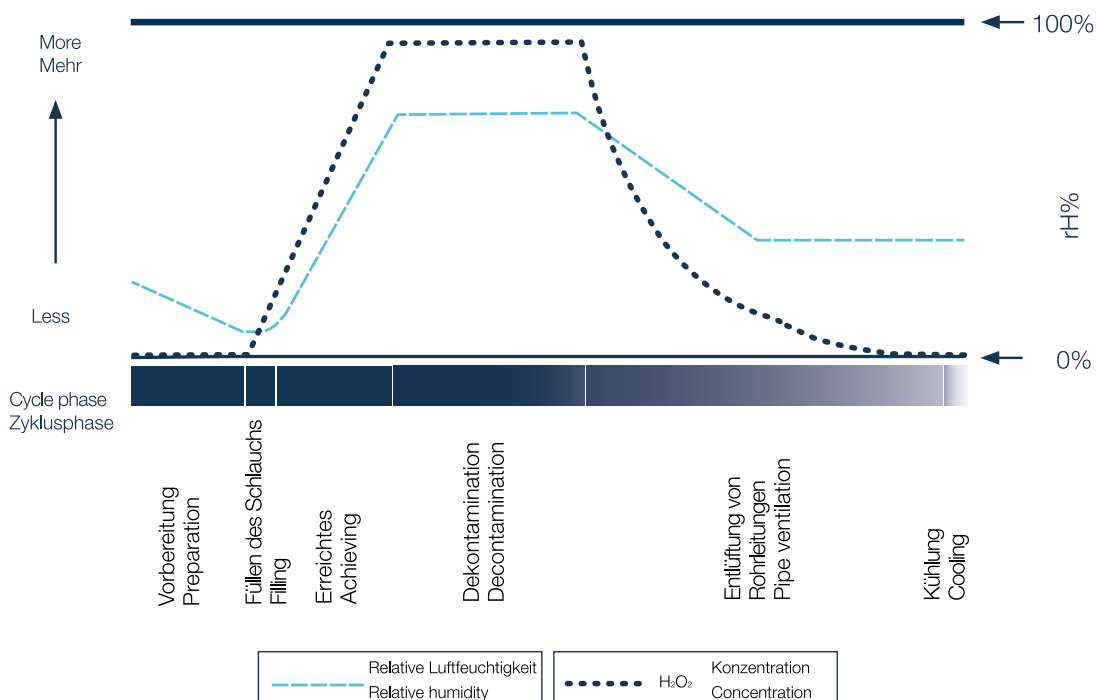
THERE IS ONE PANEL ON EACH SIDE OF THE DEVICE

THE SIMATIC CONTROL SYSTEM FROM SIEMENS IS INTUITIVE AND USER-FRIENDLY

DISPLAYS ACTUAL ENVIRONMENTAL PARAMETERS AND MONITORS EMERGENCY STATES

THE SYSTEM HAS REMOTE ACCESS FOR OPERATOR SUPPORT

HMI PANELS ALLOW FOR DIFFERENT LEVELS OF ACCESS RIGHTS



STANDARD DECONTAMINATION PROCESS

Option to validate the decontamination cycle.



Alternative decontamination TIMOTEC products - Puriter and Perfog.

PURITER

- mobile
- dry technology
- suitable for use around corrosion-sensitive materials
- high efficiency
- gentle on materials and the environment
- well-proven technology
- safe for use in patient care
- process automation and monitoring

AREA OF APPLICATION



Microbiology

Sterilization of workspaces and equipment.



Biotechnology

Disinfection of laboratories and incubators.



Pharmacy

Sterilization of isolators, production rooms, warehouses, and facilities.



Research

Cleaning of premises and equipment in research facilities.



Healthcare

Decontamination of rooms, sterilization of medical equipment, isolation boxes.



Academy and Science

Use in biological and chemical laboratories.

PERFOG

- aerosolized technology
- significantly less time-consuming
- minimized H_2O_2 consumption
- does not require strict environmental conditions
- suitable for environments that are not overflowing with objects or equipment
- lower financial investment
- lower performance

TIMOTEC



www.timotec.eu

TIMOTEC processes with TÜV SÜD Certification:

ISO 9001:2016

ISO 14001:2016

ISO 45001:2018 (OHS)