BLOCK ®
Clean Room Solutions
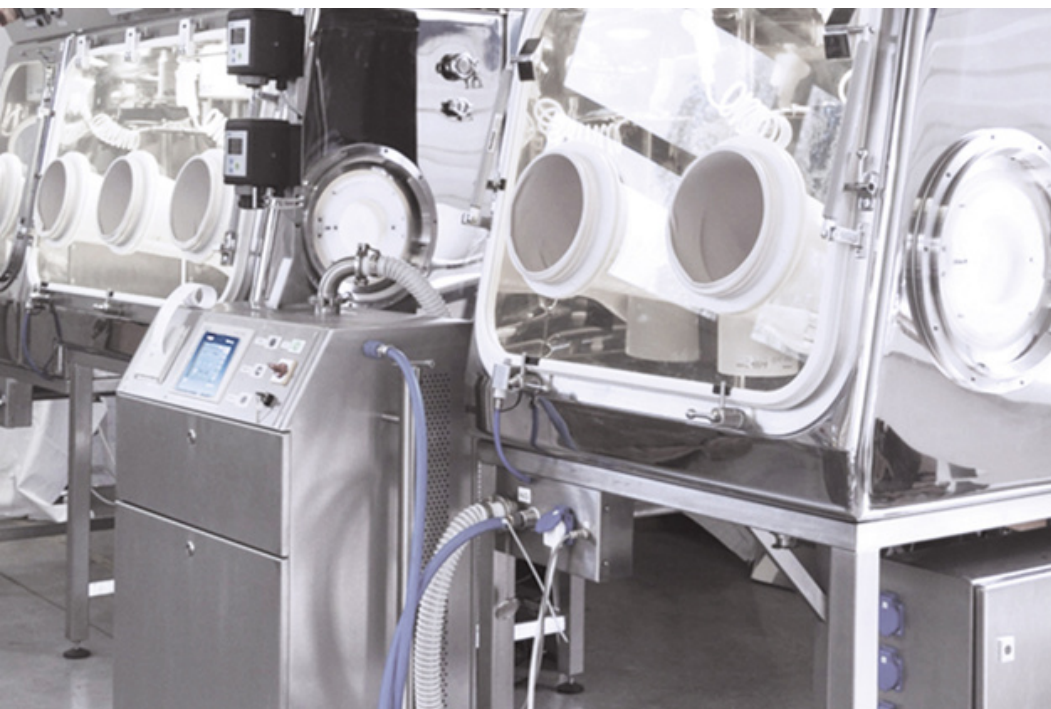
Hydrogen peroxide vapour generator

HYDROGEN PEROXIDE VAPOUR GENERATOR - PURITER

This device is designated for the sterilization of inside surfaces by means of liquid hydrogen peroxide. The whole process is performed by means of a patented technology.
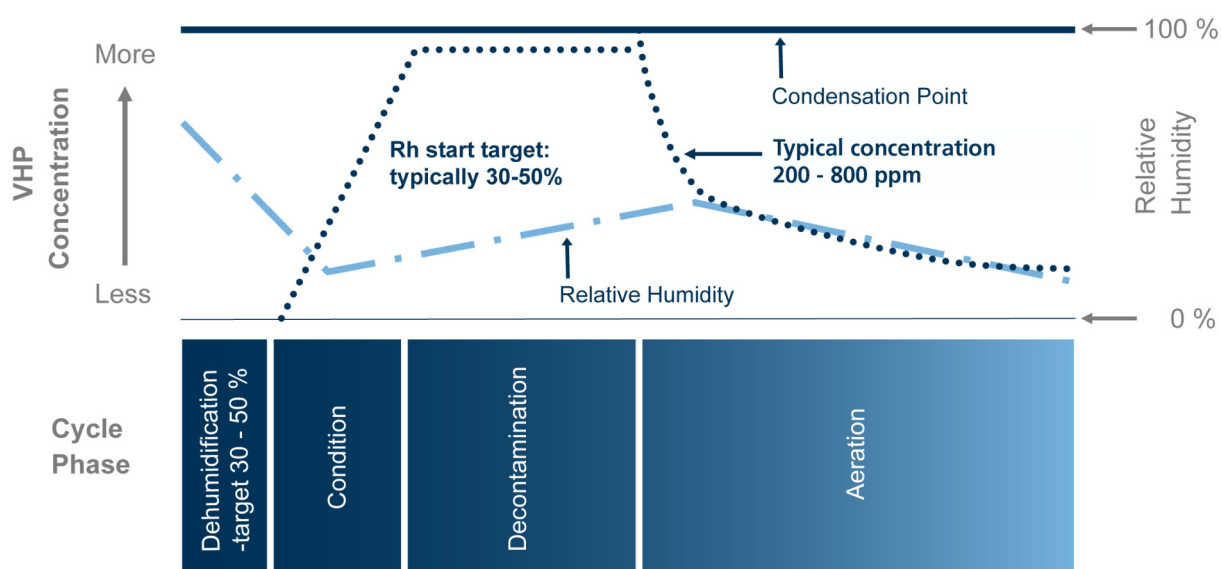
DESCRIPTION OF THE DEVICE

- Device can decontaminate and strilize
- Hydrogen peroxide 30% is used
- Structural material: AISI 304 stainless steel, FIN8 grinded surface
- Total power consumption of 2.5 kW
- Operation via a touch screen with program selection
- Control system: A SIEMENS touch panel, TP700 Comfort

ADVANTAGES

- The process runs under normal temperatures (around 25 to 30 °C) and normal pressure.
- It does not leave any toxic residues as hydrogen peroxide decomposes to oxygen and water after the decontamination.
- **The device is mobile** = surfaces in various places may be decontaminated.
- It can be connected to more devices by means of a DN50 triclamp.
- Possibility to integrate the device into an isolator or pass-through cabin.
- The device is provided with a touch display with intuitive control.

Graph showing VHP Concentration and Relative Humidity over Cycle Phases (Dehumidification -target 30 - 50 %, Condition, Decontamination, Aeration). Rh start target: typically 30-50%. Condensation Point. Typical concentration 200 - 800 ppm. Relative Humidity.

TECHNICAL DESCRIPTION OF THE DEVICE

Dimensions (W x D x H)	860 x 543 x 1200 mm
Weight	approx. 85kg
Constructional material and surface treatment	AISI 304 FIN8
Total energy input	2,5 kW
Distribution network	L+N+PE 230V, AC/50Hz, TN-S
Power supply connection	plug 230V / 50Hz (the power supply cable is included)
Operating conditions	ambient temperature (10°C - 30°C)
	relative humidity (max. 55%)
	environment cleanliness (standard laboratory conditions)
Výstupní potrubí	DN 50 terminated with a clamp
Data recording	Datalogger by COMET SYSTEM
Control	touch screeen for programs
Control system	touch panel SIEMENS, TP700 comfort
Filling	hydrogen peroxide 30%

REQUIREMENTS FOR COMPRESSED AIR

Compressed air inlet	coil hose with quick-release coupling
Pressure	6 bar
Dew point	- 10°C or lower
Quantity needed	30÷60 m^3/hod) - supply of CDA at least 50 m^3/ h
Quality	oil-free
Filtration	min. 1µm