ninolaf
Air Shower

Ninolaf® Air Shower Advanced

Prevents contamination when enter a clean area or exit a contaminated area without changing clothes. The air shower is a unit for showering in HEPA-filtered air. It is a free-standing unit made for recirculation of HEPA filtered air.
100% of the air is recirculated through pre filters as well as H14 main filters. The unit will therefore not influence the ventilation of the room. The unit is designed to be built into a wall and work like an air lock for the personnel.
The air shower is equipped with an adjustable built in fan in the top of the unit. The fan pushes the air through the main HEPA-filter and down between the double side walls at both sides of the unit.
The air proceeds with very high velocity through the nozzles and will then be sucked, via the prefilters, back to the fan again.
The lowest row of nozzles is positioned only 250 mm from the floor. The two doors are electrically interlocked.
Ninolaf Air Shower is prepared for connection to Steris/Bioquell devices for decontamination with H2O2/VHP.

- Air speed 35 m/s
- Air changes 1800/h
- Inside dimensions (WxDxH): 900x1200x2090 mm
- Outside dimensions (WxDxH): 1300x1300x2800 mm
- Pressure plenum surrounded with negative pressure
- G3 or optional H13 prefilters

ninolabinterior
Home of true innovators

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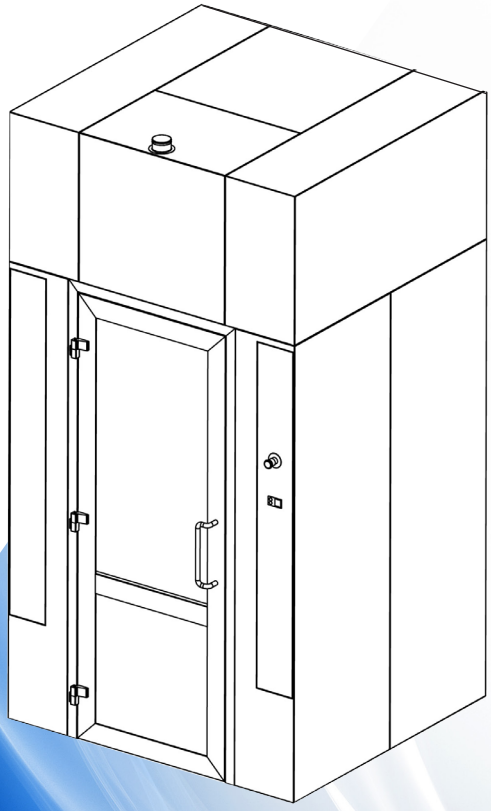
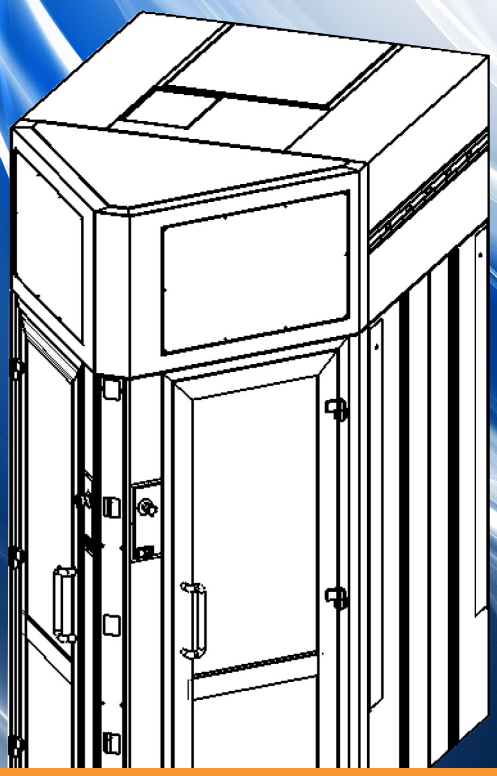


The control unit is placed in one of the air return channel and can be accessed from clean side. Fan, filter, light fixtures, and control panel can be accessed from the inside of the unit.
As standard signal lights are placed on both sides indicating when other door is locked/open.
On the inside control panel a lamp indicates when the process is ready. Emergency switches are placed on both sides as well as inside the unit. Emergency switch open both doors immediately when activated. The doors are electrically interlocked and can be opened only one at a time. The doors has gaskets in sides and top and a tightening threshold lowering when doors are locked. The doors are surrounded with negative pressure eliminating leakage.
The doors are equipped with windows.

- Main filter: HEPA filter H14 placed after the fan. Main filter can easily be changed from inside of the unit with one door inter locked.
- Pre filter G3 or optional HEPA H13 can easily be changed from inside the unit.
- Nozzles: totally 24 pcs – 12 pcs in each side. The lowest row positioned only 250 mm from the floor ensures high performance of the air shower, even in the lower part.
- Sound level at air velocity 33 m/s around 55 dB(A) outside the unit and 83 dB(A) inside the unit.
- Power consumption: 4,5 kW in operation
- Power supply: 3x10A/400V
- Material: Powder coated steel plate, color RAL 9010. Stainless steel can be offered as an option. Parts in contact with the floor are made from stainless steel AISI 316.



Ninolaf Air Shower is also available as a three door option.

Questions? For more information contact us at info@ninosafe.com

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