

Superior operator protection

ninoGUARD COVID-19



ninoGUARD COVID-19 is a stand-alone and mobile HEPA H14 ventilated test booth (negative or positive) developed specifically for protecting health care personnel working in potentially hazardous environments examining patients.

Can highly reduce the amount of time consuming and costly personal protective equipment.

***Nino Labinterior** manufactures intelligent engineered products that provide safe environments and clean air solutions for a wide range of applications, ranging from routine work with potentially hazardous samples to handling cytotoxic compounds. All products provide the level of operator, product and environmental protection you need, and every cabinet is designed to make working safely as easy and as comfortable as possible.*

ninoGUARD COVID-19

ninoGUARD COVID-19 is a stand-alone and mobile ventilated test booth (negative or positive) developed specifically for protecting health care personnel working in potentially hazardous environments examining patients. The design is generated from our ninoSAFE Class I microbiological safety cabinet (EN12469).

With **internal fan** and **HEPA H14 exhaust filtration** the unit does not need to be connected to a ventilation system.

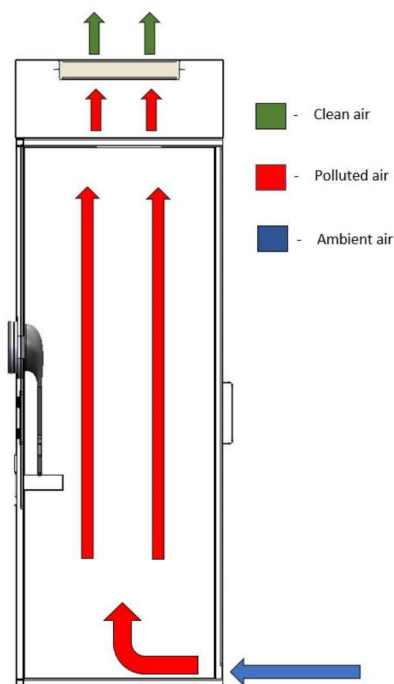
The test booth is airtight on three sides and offers **negative pressure** while running **securing** that any contaminants can't reach the clean side of the unit and expose **operators**.

The test booth is also available in a **reversed version, positive pressure**, where the inside is completely safe by laminar flow protecting the operator from its surroundings.

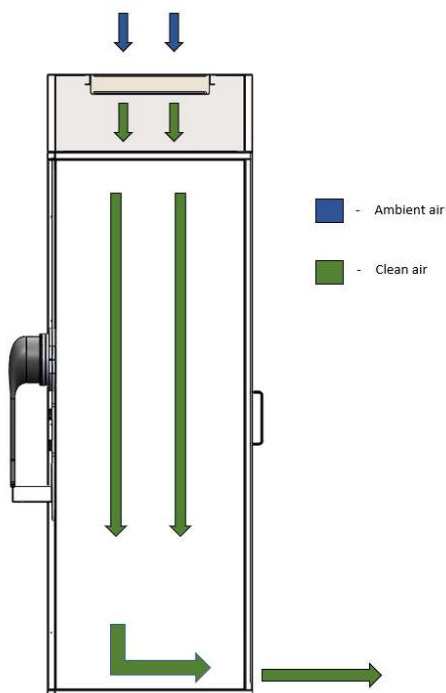


Operators side is designed with a large airtight and sealed acrylic window with two glove ports for the operator, a membrane port for stethoscope and an airtight sealed hatch for transferring samples after decontamination. Inside the test booth, accessible from the glove ports and transfer hatch, there is a usable shelf for detergents, test-kit and other necessities.





Negative pressure test booth



Reversed - Positive pressure test booth

Comfort

ninoGUARD COVID-19 offers the latest filter and fan technology offering superior low noise level (<54 dB(A) inside and <50 dB(A) outside) and low power consumption, <100W. Internal LED light source offers good and bright examination conditions.

Design

The unit is made of powder coated steel, acrylic robust hinged self-closing. The interior is designed for easy cleaning and withstands all commonly use detergents for cleaning and decontamination e.g vaporized and stabilized H₂O₂.

Monitoring

Safety is of outmost importance: Each unit is equipped with an integrated pressure switch offering constant monitoring for safe operation.

Indicators on operator's side will alert the operator whenever there is a risk of unsafe conditions.

Safety

If one glove is completely removed or the transfer hatch is open the unit is designed to secure >0,7 m/s in the port hole with door closed.

Environment

Since ninoGUARD COVID-19 recirculates 100 - 550m³/h (default setting 300 m³/h) of air in the room where it is placed a **naturally clean-up** of air is achieved generating positive effects whenever there is a risk of **airborne contaminants** as well as it reduces the level of particles in the area.

The test booth can be placed and sealed in a doorway and will then completely divide the patient from the health care personnel. Several test booths can be placed in a row e.g in a tent for efficient handling of high volumes of patients.



Options:

311 0000 1007
 311 0000 1008
 311 0000 1009
 311 0000 1010
 311 0000 0550

8" gloves, latex size 7, 1 pair
 8" gloves, latex size 8, 1 pair
 8" gloves, latex size 9, 1 pair
 8" gloves, latex size 10, 1 pair
 Customized positioning of glove ports.
 State height when ordering.
 Double exhaust HEPA H14 including frame
 ninoSAFE basic control panel with flow alarm

Quick Installation and setup:

The unit can be delivered completely assembled or as plug and play part assembled unit.

The assembled unit only needs connecting to power and push On and it is up and safe running after a few minutes. It is prepared to either be bolted or silicone to the floor.

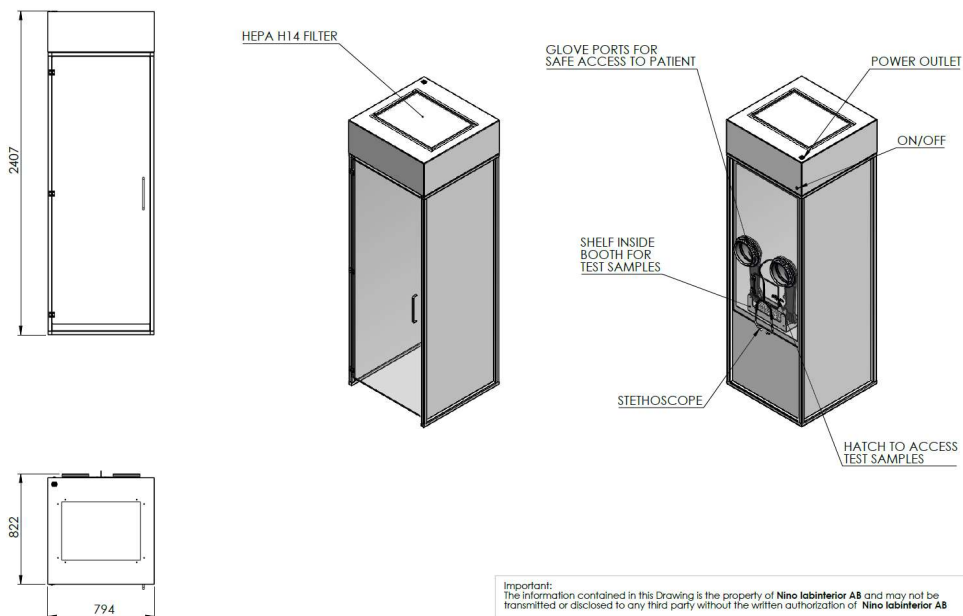
The plug and play part assembled unit will require appr 30 minutes for assembling the top fan unit to the side walls and mounting the door. It will require two persons since the weight of the top unit is appr 24 kgs.

Operating:

Make sure the unit is connected to power. On the operator side there is an ON/OFF switch. Turn the power ON and the switch and interior light will illuminate as well as the fan will start. Allow 3-5 minutes for the unit to reach safe operating mode (indicator) then it's ready to use.

Technical Specifications ninoGUARD COVID-19

ninoGUARD COVID-19, assembled		311nG19F
ninoGUARD COVID-19, part assembled		311nG19Fpa
ninoGUARD COVID-19 reversed positive, assembled		311nG19F-pos
ninoGUARD COVID-19 reversed positive, part assembled		311nG19Fpa-pos
External dimensions WxDxH	mm	794x822x2407
Internal dimension WxDxH	mm	734x762x2100
Standard height glove port centre	mm	1400
Minimum doorway (assembled unit)	mm	795
Minimum room height (assembled unit)	mm	2500
Weight	Kg	90
Noise level ISO3744	dB(A)	<50
Inflow default setting (lower part of door, when closed)	m/s	2,3 (adjustable 1,0 - 4,0)
Filter technology	Type	HEPA H14 EN1822, 99,999% at 0,3 µm particle size
Voltage frequency	V/Hz	220-240/50-60 or 110-120/50-60



<p>Important: The information contained in this Drawing is the property of Nino labinterior AB and may not be transmitted or disclosed to any third party without the written authorization of Nino labinterior AB</p> <p>Unless otherwise stated: Tolerance according to ISO 2768-mK</p>			
	DWG NO.	Rev.	Size
	2015-30-900	00	ninoGUARD COVID-19
<p>Magasinsgatan 6 SE - 434 37 Kungälv</p>	Material	<p>DRAFT</p>	
Design date/Designer	2020-04-06 / MD	Block/Block Type	ninoGUARD COVID-19
		Height	A3
		Weight	90
		Scale	SCALE 1:20
			SHEET 1 OF 1

Our models are built and tested according to national and international standards including EN12469, EN14175, EN61010-1