ninoSAFE

Cytotoxic Cabinets ninoSAFE Plus
EN 12469, DIN 12980

Superior operator and product protection

Nino Labinterior manufactures intelligent engineered biological safety cabinets that provide clean air solutions for a wide range of applications, ranging from routine work with potentially hazardous samples to handling cytotoxic compounds. ninoSAFE provides 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.

Engineered by Experience - Compact design but still best usable inner dimensions.

ninoSAFE Plus Cytotoxic cabinets are equipped with circular, easy to change H14-prefilters with exceptionally low pressure drop. This means low service costs, very low noise level as well as very low energy consumption and accordingly very low CO_2 footprint. The circular design makes the H14-prefilters very compact which enable an excellent sitting position with good leg space. ninoSAFE Plus is manufactured and tested according to EN12469 as well as DIN12980. **ninoSAFE biological safety cabinets** have been tested and validated at customers since 2015 reassuring their performance, reliability, quality and ease of use. The latest technology in combination with State-of-the art technique ninoSAFE offers advanced products yet easy to clean and simple to maintain. Scandinavian design brings ergonomics to a higher level. Dimmable LED light comes as standard feature together with remarkably low noise levels. Support stands are available in either manually or electrically adjustable, all in clean room design. Nino Labinterior's motto is "Special is our standard" meaning that all our products can be custom made and configured to meet every specific requirement within reasonable time and budget.

We work closely with our customers to create and support biological safety cabinets that offer unmatched quality, precision and reliability with highest level of cleanability.

ninolaf

ninoSAFE class II Plus

Engineered by Experience

Worldwide remote support

ninoSAFE biological safety cabinets can be order with a unique remote support offering unmatched user support, trouble shooting, adjustments and update service. Furthermore the system allows up to 12 months of continuous data backup. With customer approval we access the cabinet remotely wherever it is installed, requiring only open internet access. High security and without managing firewalls.

Noise

Field case studies prove that ninoSAFE Plus cytotoxic cabinets measure <48 dB(A) when operating at 0,5 m/s inflow and 0,35 m/s down flow. By applying the latest filter and fan technology into our products we know what can be achieved.

Weighing

A wide range of weighing accessories are available. Since ninoSAFE is close to vibration free it offers weighing inside at 4 decimals without additional support stand.

Standard Features

All ninoSAFE biological safety cabinets come with dimmable LED lighting. Adjustable or electrical elevation support stands at your choice operated directly from the OP touch panel. UV-light is positioned with easy access and available in either fluorescent standard tube or LED offering incomparable long life. ninoSAFE is designed to be comfortable and ergonomically without arm rests thanks to intelligent designed v shaped table tops allowing operator to work comfortably without obstructing the air vents.
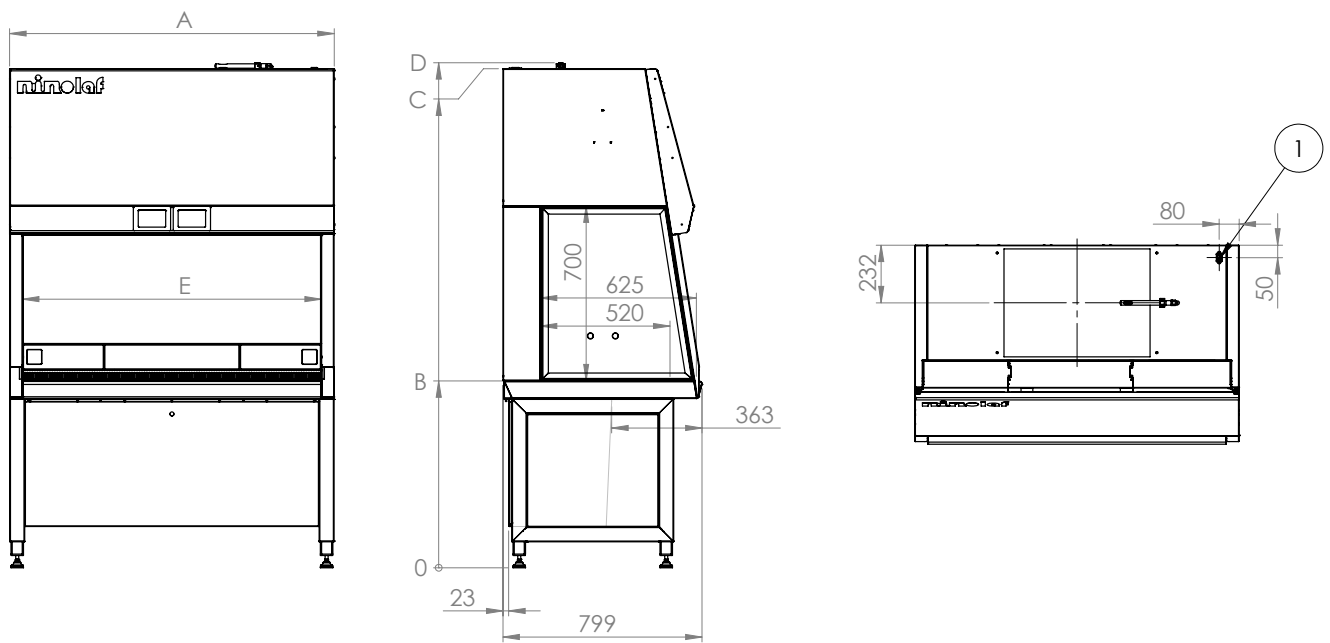
"Special is our Standard"

Superior Lab Solutions

Technical specifications ninoSAFE BSC					
Type		nS Plus 900	nS Plus 1200	nS Plus 1500	nS Plus 1800
Dimensions					
External dimensions, WxDxH	mm	1003x799x1953(1978)	1303x799x1953(1978)	1603x799x1953(1978)	1907x799x19531978)
Internal dimensions, WxDxH	mm	900x520(625)x700	1200x520(625)x700	1500x520(625)x700	1800x520(625)700
Front window opening	mm	200 (adjustable 180 - 330)			
Work height, standard support stand	mm	700 - 1050			
Minimum door way	mm	800	800	800	800
Weight					
Equipment	kg	190	220	250	280
Air velocity					
Vertical flow	m/s	0.28 (adjustable 0.25 - 0.53)			
Inflow	m/s	0.45 (adjustable 0.45 - 0.55)			
Deviation	±%	<8	<8	<8	<8
Noise					
Noise level ISO3744	dB(A)	48	48	49	49
Ventilation					
Down flow rate	m3/h	510	680	840	1010
Exhaust flow rate	m3/h	290	390	480	580
Filter technology					
Main/Exhaust	Type	HEPA H14 EN1822, 99,999% at 0,3 μm particle size			
Light					
LED	Lux	0-2000, dimmable			
Electrical data					
Voltage frequency	V/Hz	220-240/50-60 or 110-120/50-60			
Power consumption, from	W	90	100	130	140

Our models are built and tested according to national and international standards including:
EN 12469, DIN 12980, EN 61010-1

Made in Scandinavia – ISO9001:2015 and ISO14001:2015

nino SAFE PLUS specifications

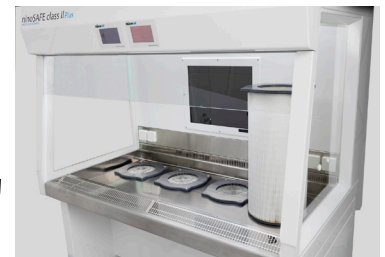| Cabinet	A - Length	B - Work height	C - Top cabinet	D - Highest point	E - Work opening	W - Weight
nino SAFE PLUS 900	1003 mm	700-950 mm	1953-2203 mm	1978-2228 mm	900 mm	210 Kilo
nino SAFE PLUS 1200	1303 mm	700-950 mm	1953-2203 mm	1978-2228 mm	1200 mm	240 Kilo
nino SAFE PLUS 1500	1603 mm	700-950 mm	1953-2203 mm	1978-2228 mm	1500 mm	270 Kilo
nino SAFE PLUS 1800	1907 mm	700-950 mm	1953-2203 mm	1978-2228 mm	1804 mm	300 Kilo

Notes	
POS.	Description
1	Power supply point

Separate control and status/alarm display for clear information

Circular H14 prefilters

Easy-to-use intuitive user interface with touchscreen

Easy-to-clean electrical outlets and optional USB- and RJ45 outlets

Clean room design adjustable support stand

ninoSAFE - A complete range also available in following models:

ninoSAFE Class II (EN12469)
ninoSAFE B2
ninoSAFE XL (EN12469)
ninoSAFE XL plus (EN12469, DIN12980)

ninoSAFE sterile (Clean bench)
ninoSAFE Class I (EN12469)
ninoSAFE horisontal

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