





For Safer, More Efficient Sterilization A Handpiece Friendly Autoclave from a Handpiece Creator.

Complying with Europe's Class B sterilization standard

iClave AUTOCLAVE SERIES 01 | 02





Deploying a Copper Chamber to Match the Advanced Class B Cycle Sterilization Capacity and Efficiency Standards

Air turbines, contra-angles, and other dynamic dental instruments consist of high-precision micro mechanisms and therefore benefit from careful sterilization to maintain performance. NSK chose to use a highly conductive copper chamber to satisfy Class B, Europe's strictest sterilization standard. The system delivers outstanding efficiency despite its large capacity.





opper chamber

Stainless steel chamber

50% more capacity than conventional autoclaves

The iClave plus can fully use its 18 litre capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilization space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.

The Copper Chamber's Superior Thermal Conductivity **Delivers Outstanding Performance**

Highly thermal conductive copper chamber with even temperatures

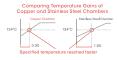
Advanced heating system leveraging excellent thermal conductivity

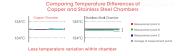
NKS: Innovative heating system optimizes the high heat conductivity of copper, Enveloping the copper chamber is a special heater which is also used in satellities, incorporating electro-thermal material embedded in silicone to head the entire chamber evenly without heat loss,

Thermal Conductivity Differences of Materials

Synergies from the copper chamber and heater system

ensure outstanding temperature characteristics
In temperature measurements at three points inside the chamber, the copper model reached 134°C, the standard sterilization temperature, in about half the time of a stainless steel counterpart. There were no temperature variations at the three points measured in the copper chamber.





NSK Autoclave Benefits Include Combining High Heat Conductivity of Copper Chamber with Proprietary Heating System





Faster sterilization

The copper chamber and adaptive heat system allows sterilization in 18 and 35 minutes under Class S and B standards, respectively.

* Including drying phase

More efficient drying phase

More economical and environmentally friendly

Gentle handpiece sterilization

Consistently even internal temperatures resulting from the use of a copper chamber and the adaptive heaf system make it possible to control steam flow and eliminate heaf fluctuations. With less themat impact, stellistical or of intuitions, control-angles and other instruments is gentler and safer.

SAFETY & DURABILITY

Advanced Safety and Durability through **User-Friendly Functions**



User-friendly, easy to read operating panel



With a sophisticated design and excellent visibility, the panel is easy to operate and maintain, with colors changing according to conditions, enhancing sterilization reliability.

Sterilization cycle data recording



Bacterial filter for greater safety

The iClave plus ventilates air through a bacterial filter during the drying phase, eliminating the possibility of re-contamination,

Designed to boost product reliability

Consistent temperatures inside the chamber eliminate fluctuation stresses and reduce the risk of problems. NSK initially reviewed product reliability to ensure safe treatment. There are three thermometers to control temperatures in the iClave plus and HP and two in the iClave mini. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

Stainless steel body enhances durability

Constantly monitoring working parameters for safe operation

The process evaluation system constantly monitors pressure, temperature, water quality and steam. Additional features include cycle counter, altitude sel-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.

A handpiece autoclave from a handpiece manufacturer, complying with Europe's Class S sterilization standard.
The iClave mini sterilizes even the invisible parts of handpieces and is completely portable to use anywhere.

Small enough to fit in any space

The iClave mini weighs only 15.5kg. Just plug it in and start sterilizing. Its compact and elegant design makes it an ideal fit for any clinic interior.



Effective sterilization of hollow instruments

The iClave mini complies with Europe's Class S sterilization standard. It repeatedly de-aerates to sterilize even the inside of a handpiece.



Fast and compact but with large capacity

The new direct-heating technology around the 2,5 litre chamber aims to work and perform like the combination of copper chamber and adaptive heat system. IC love mini is compact in size yet large in coppacity while at the same time running fast and efficient cycles.



User-friendly, easy to read operating panel

With a sophisticated design and excellent visibility, the iClave mini panel is easy to operate and maintain, enhancing sterilization reliability.



A user-friendly design

iClave AUTOCLAVE SERIES 11 | 12

iClave LINEUP

Three Models Available

iClave plus EN13050: Class B

MODEL: iClave plus 230V ORDER CODE: Y1003077

An 18 Litre Model Complying with the Top Sterilization Standard

Employing a copper chamber to minimise internal temperature fluc Efficiently sterilizing more instruments while minimising wasted space.



High-Performance 4.5 Litre Model

to Augment Capacity

Conveniently augments the iClave plus. Employs a copper chamber complying with the top sterilization standard and offering quick start-ups.

iClove mini EN13060 : Class 8

MODEL : iClave mini 230V ORDER CODE : Y1003074

Smallest and Lightest in the Series Usable Anywhere

Developed exclusively for handpieces. Portable and usable anywhere

External dimensions (WxDxH)		445 x 532 x 428 mm	443 × 545 × 254 mm	210 × 320 × 360 mm	
Chamber dimensions		ф240 × 384 mm	ф156 × 251 mm	o130 × 200 mm	
Chamber capacity		18 litre	4.5 litre	2.5 litre	
Net weight		55 kg	27 kg	15.5 kg	
Maximum power consumption		1,900W	1,400W	700W	
Supply Voltage CE		230V - 50Hz	230V - 50Hz	230V - 50Hz	
Air expulsion system		Vacuum pump 1,3,4 vacuum	Vacuum pump 2,3,4 vacuum	Pressure deaeration	
Max Load	solid	4 kg	1.5 kg	1 kg	
	porous	1.5 kg	1 kg	0.5 kg	



iClave plus

1	UNIVERSAL	134°C	5 min	3 vacuum	В
2	DELICATE	121°C	20 min	3 vacuum	В
3	FLASH	134°C	3 min	2 vacuum	S
4	SMALL LOAD*1	134°C	5 min	3 vacuum	В
5	PRION	134°C	18 min	3 vacuum	В
6	CRITICAL 134°C	134°C	5 min	4 vacuum	В
7	CRITICAL 121°C	121°C	20 min	4 vacuum	В
8	SPECIAL	105 -135°C	3-90 min	2-4vacuum	-

iClove HP

1	STERILIZATION 1	134°C	5 min	3 vacuum	В
2	STERILIZATION 2	121°C	20 min	3 vacuum	В
F	FLASH	134°C	4 min	2 vacuum	S
S1	PRION	134°C	18 min	3 vacuum	В
S2	HEAVY LOAD	134°C	5 min	4 vacuum	В
S3	HEAVY LOAD	121°C	20 min	4 vacuum	В
S4	SPECIAL	121-135°C	3-60 min	2-4vacuum	-

Bowie & Dick: 134°C / 3.5 min / 3 vacuum Vacuum test: 20 min

iClove mini

USB Data Logger

DX Labeller

1	134°C SOLID	134°C	4 min	S
2	134°C POROUS	134°C	14 min	S
3	121°C SOLID	121°C	20 min	S
4	121°C POROUS	121°C	30 min	S

OPTIONAL ACCESSORIES

Sealer Newseal Plus

With high output, easily and automatically seals envelopes before sterilization.

Sell adjusting sealing from 12 mm ® Retrecting blade to.

Visual and acoustic seal indication of Deat hidder

Pre-set for wall attachment

MODEL: Sealer Netweet Plus

RDER CODE: 21279001

Increases traceability levels by combining sterile instruments and patients, MODEL: Barcode Label Writer ORDER CODE: Z1281001

Helix Test

MODEL : Helix Test ORDER CODE : Z1283001



MODEL : DX Labeller ORDER CODE : Z1282001

Purity

High quality water is essential to improve sterilization quality.

We offer an optional automatic we supply device with a desalination MODEL: Purity

ORDER CODE: Z1284001

USB Data Logger
Store all cycle information directly onto a file
without a paper report, The 2GB USB drive,
supplied with the USB LOG interface,
allows storage of more than 10,000 cycles.
MODEL: USB Flash drive (2.0GB)
ORDER CODE: 21280001



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