iClave

0800 6341909 • www.nsk-uk.com

iClave Quick, Reliable, Cost-effective

A powerful partner in your practice

Made out of advanced materials and components, the iClave is known worldwide for its reliability. The iClave combines a compact and elegant design with quick cycles, low power consumption and is very easy to use.

The iClave is equipped with a powerful vacuum pump which enables the total air expulsion.

Thanks to the pump's action, it is possible to reliably sterilise any kind of material, including the internal surfaces of handpieces. Moreover, the pump generates forced ventiliation and perfect drying.

iClave matches the same standard of sterilisation as that of a Hospital and can perform the Bowie & Dick test and the Helix test.

Standard EN 13060 / EN 13060 spec-compliant.

To find out more about NSK's handpiece service contract email info@nsk-uk.com!

NSK

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Enhanced sterilisation of instruments

With the extraordinary precision of the heating system and the removal of thermic differences, the NSK's sterilisation system sterilises wrapped or non-wrapped instruments, without risks of early deterioration as can occur with a low-quality autoclave.

Thanks to the exclusive heating system it is possible to sterilise all instruments (including handpieces and turbines) without any risk of breakage or early wear.

iClave has a copper chamber and differentiated heating which makes the cycles faster and does not require the use of a steam generator and so increasing the iClaves reliability.

Advantages:

- Fast cycles – less than 20 minutes
- Increased useable chamber volume (+20%)
- Easy to operate
- Reliability – computerised control system
- Low operating costs

Six months additional warranty on NSK instruments for all iClave autoclave users

AUTOCLAVE WITH LOW ENVIRONMENTAL IMPACT
AUTOCLAVE
low enviromental impact

Quality and innovation!

The iClave is totally automatic and equipped with pre-adjusted programmes. The only thing to do is to choose a program and to press START in order to start a cycle.

The adoption of the most innovative computer software has made sterilisation a totally automatic process.

The whole cycle is controlled step by step by a powerful microprocessor, and at the end of the cycle, the system stops automatically.

The auto-diagnosis and the automatic malfunction detection system guarantee continuous optimal working conditions

The autoclave is equipped with a cycle counter which indicates the number of cycles and the last alarms.

An advanced system of measurement controls the water quality and preserves the autoclave perfect working order.

Accelerated and well-balanced heating

The heating system is the essential part of the autoclave. NSK has developed a cutting-edge heating system which is able to control more precisely and in a homogeneous way the temperature inside the sterilisation chamber.

3 different temperature sensors control the steam temperature but also the superficial temperature and avoid thermic impacts when instruments are near the chamber wall. The sterilisation chamber, made with nickel copper, has a superior thermic conduction to a steel chamber and consequently, the control is more precise and homogeneous. All these components and their management by a very high-achieving software offer superior performances.

Pre and post vacuum system

The autoclaves have a powerful pump for the air expulsion before sterilisation. The pump has an important action of ventilation with a bacteriological filter and a special heating system in order to realise perfect drying.

Functional volume of the chamber

Thanks to the specifications of the chamber and the heating system the loading capacity is 20% higher than other competing autoclaves.

When technology is synonymous with simplicity!

Integrated printer

NSK's autoclaves are available with an integrated printer to document all cycle performance parameters.

Remote Access

Connecting the autoclave to the internet via a computer allows the NSK support team to access the machine remotely for monitoring and service support.

USB Log

NSK has also integrated a USB log, available as an optional extra. This system can save all the cycles of sterilisation onto a 2.0 GB USB key.

Process Evaluation Control... the risk-free sterilsation

Process evaluation system

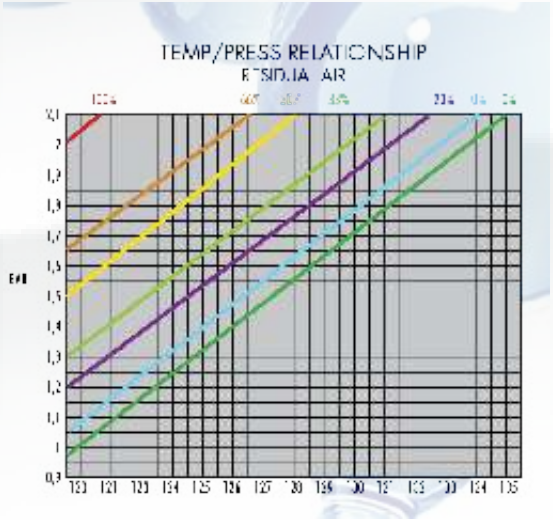
The process evaluation systems guarantee a reliable sterilisation. The system is based on the crossed control of pressure and temperature settings. It guarantees the quality of the saturated steam and a better control of the heating system.

Speed

The speed of the sterilisation cycle is an essential advantage in order to optimize the process. It takes less than 20 minutes for the special “flash” cycle to quickly sterilise with a forced vacuum for a full chamber.

Reliability

The use of the most advanced technologies and quality components help the iClave to attain an unequalled level of reliability.



Technical Features

External size (LxDxH)	443x562x428mm	Differential heating	•
Chamber size Ø	240x284mm	Temperature with decimals	•
Chamber capacity	181	Computer - USB key log	•
Functional volume	171	Itegrated printer / external printer as an option	•
Net weight	55kg	Volumetric measure	•
Maximum absorption	1.900 W	Water quality control	•
Medium absorption	800 W	Bacteriological filter	•
CE supply voltage	230 V - 50Hz	Set up altitude	•
Triple security door	•	Double tank	•
Air expulsion system	Vacuum pump (1,3,4: vacuum)	Auto diagnostic	•
Drying pump	•	Cycles counter	•
Programs	8	Automatic maintenance	•
Bowie & dick test	•	Annual validation indication	•
Helix test	•	Upper and frontal H2O filling	•
Vacuum test	•	Accessible H2O filter	•
Automatic stop - night cycle	•	Calibration by software	•
Process evaluation system	•	After-sale services by computer / modem	•
Adhesive resistances	•	Sterilisation mean time*	19-32 min (1V)
Heat sensors nr	3		32-50 min (3V)
Pressure sensors nr	1	EN 13060 rating	B

* Times can be modified according to load quantity and type, temperature at the beginning of the cycle, voltage and components maintenance

Programs		Settings			Indications	Rating
1	STERILISATION 1	134°C	5 min	3 vacuum	For all 134°C autoclavable equipment (helix test)	B
2	STERILISATION 2	121°C	20 min	3 vacuum	For all 121°C autoclavable equipment (helix test)	B
3	FLASH (*)	134°C	3 min	1 vacuum	For solid surgical equipment without packaging	S
4	S1 Disinfection	105°C	8 min	3 vacuum	For delicate equipment	
5	S2 Critical load	134°C	5 min	4 vacuum	For critical load	B
6	S3 Critical load	121°C	20 min	4 vacuum	For critical load	B
7	S4 BSE prion	105°C	19 min	3 vacuum	For CJD	B
8	S5	Selection:			Dependent on selected settings	
		- Temperature: 105 - 135°C				
		- Running time: 3 - 90min				
		- Vacuum phases: 1 - 3 - 4				
		- Drying: 5 - 10 - 14 min				
	Bowie & Dick	135°C	3.5 min	3 vacuum		
	Vacuum test	20min				

* The flash cycle sterilises in less than 20 minutes - Running time can be modified according to the load.

Powerful partners

dental X

Dental X has been in the sterilisation business for more than 30 years. With over 50,000 units sold worldwide it has become a trusted and respected brand.

During this period it has set new quality standards with the goal of making sterilisation a safe and easy process. The quest for excellence has been combined with the endeavour to reduce costs and define safe and simple protocols of use, in compliance with the requirements of new standards and best practice.

MX230

With the special “adaptive heat” heating system, MX 230 is suitable for sterilisation of the most critical and delicate materials.

The elimination of thermal stress means the most delicate instruments can be safely sterilised thousands of times over.

The size of the chamber, special loading system and the interactive system, allow the operator to arrange the load in the best manner with additional benefits in terms of performance. MX 230 allows more instruments to be sterilised in less time and without problems:

- Copper Chamber - Useable space – 30 litres
- Flash Cycle
- Rapid Vacuum B cycle 40 minutes including drying
- Greater load capacity
- Elimination of thermal stress
- An innovative vacuum-assisted closure
- Touchscreen
- Integrated USB memory
- Low power consumption due to adaptive heating system

Aptica Plus B

Fast

Aptica Plus B Premium Line can run a cycle in roughly 12 min (drying included). The B cycle (helix test) can be done in less than 18 minutes (drying included).

High performance

Aptica Plus B can sterilise 12 wrapped or 18 unwrapped handpieces in one cycle.

Gentle

As a result of its special heating system, Aptica plus B prevents thermal stress and allows gentle sterilisation without the risk of damaging or breaking handpieces prematurely.

Eco sustainability

Despite the fast cycles, Aptica Plus B has a very low consumption. The special heating system enables power and water savings with obvious cost and environmental benefits.

Accesories

NewSeal bag sealer

- Easy to operate
- Self-regulating heating element
- Scorch protection

DX Label Printer

Labels have markers that indicate that instruments have been processed in autoclave. Shows expiry date, operator code, cycle number and more

Helix Test

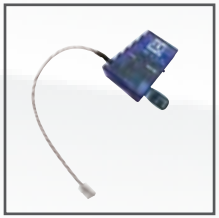
The Helix test checks the steam penetration in a hollow instrument

MX Cart

The Steri Cart MX has been specifically designed to support the MX 230 autoclave. The cart houses the 2 backup tanks for filling and draining the reservoirs. The cart also provides a convenient support surface to facilitate loading and unloading operations

Purity and Purity Plus Water treatment system

- Purity/Purity Plus connect directly onto iClave or MX unit
- 1 filter produces 2000 litres
- Auto Fill and Auto Drain feature
- Complies with EN1717



DX Data logger

Store all cycle information directly onto a file without any paper report

The 2 GB USB drive, supplied with the USB LOG interface, allows to store more than 10000 cycles

NSK

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