



NSK Class B Autoclave



iClave plus

More Safety, More Capacity

Deploying a copper chamber to match the advanced class B cycle sterilisation capacity and efficiency standards

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

Advantages

- More capacity
- Faster sterilisation
- More efficient drying phase
- More economical and environmentally friendly
- Gentle handpieces sterilisation



NSK Oceania Pty Ltd

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RRP
\$9,900
Incl. GST

Product Information | Technical Support Freephone: 1300 44 33 21 Email: info@nskoceania.com.au

All quoted prices include GST.

A 17.5 Litres model complying with the top sterilisation standard

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

50% more capacity than conventional autoclave

The iClave plus can fully use its 17.5 Litres capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilisation space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.

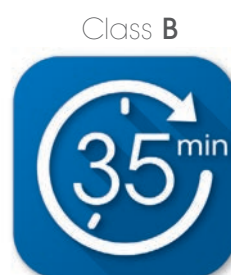


Copper chamber



Stainless steel chamber

NSK autoclave benefits include combining high heat conductivity of copper chamber with proprietary heating system



Super fast



Super fast

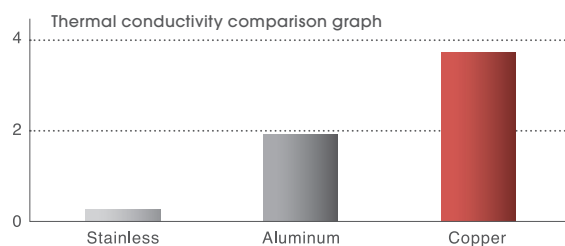
The copper chamber's superior thermal conductivity delivers outstanding performance

Copper Chamber

Highly thermal conductive copper chamber with even temperatures

Using copper to construct the chamber gives 17.7 times more heat conductivity than stainless steel. The copper chamber retains even internal temperature levels throughout despite its large capacity.

Thermal conductivity differences of materials

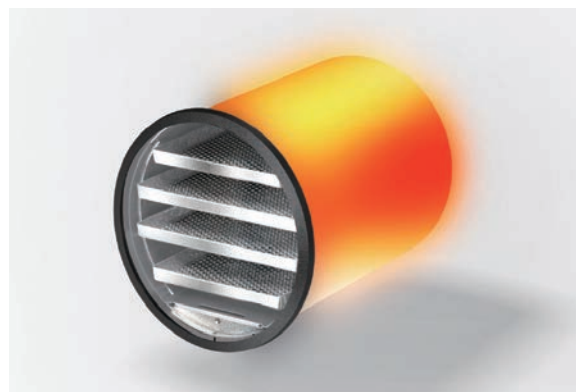


Copper's heat conductivity is 1.9 times and 17.7 times higher than that of aluminium and stainless steel, respectively.

Adaptive Heat System

Advanced heating system leveraging excellent thermal conductivity

NSK's innovative heating system optimizes the high heat conductivity of copper. Enveloping the copper chamber is a special heater which is also used in satellites, incorporating electro-thermal material embedded in silicone to heat the entire chamber evenly without heat loss.

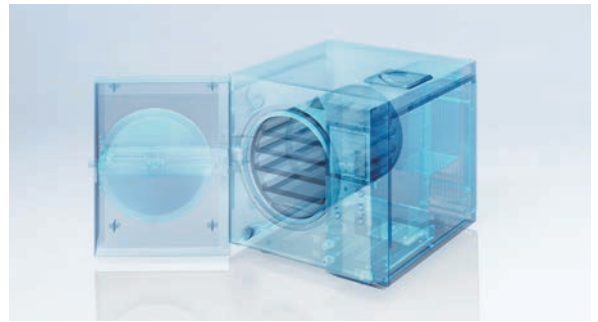


Safety & Durability

Advanced safety and durability through user-friendly functions

Vacuum sterilisation for all types of instrument

A vacuum pump removes air from the chamber and handpiece cavities before sterilisation.



Bacterial filter for greater safety

The iClave plus ventilate 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 temperature sensors to control temperatures in the iClave plus and two in the iClave mini. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

Stainless steel body enhances durability

The stainless steel body work, which is rare for an autoclave these days, makes iClave plus more robust. Together with the copper chamber it delivers outstanding 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 set-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.



User-friendly, easy to read operating panel

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

(Text colors) White: Selection screen Yellow: During operation
 Green: Sterilisation complete Red: Error



Sterilisation cycle data recording

All sterilisation cycles are recorded on a USB flash drive, and no special software is required to view and print records of all cycles. The system records all relevant cycle parameters against a unique date and time stamp.

iClave plus

EN 130 : Class B

MODEL : iClave plus 230 V ORDER CODE : Y1003077

Technical characteristics

- External dimensions : W 445 x D 585 x H 440 (mm)
- Chamber dimensions : ø240 x 384 (mm)
- Chamber capacity : 17.5 L
- Net weight : 47 kg
- Maximum power consumption : 1,920 W
- Supply voltage CE : AC 230 V – 50/60 Hz
- Air expulsion system : Vacuum pump 2, 3, 4 vacuum
- Max load : 4 kg (solid), 1.5 kg (porous)

External dimensions exclude protrusions.

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

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

*1 Small load : included hollow instruments type A and B (Max 0.5 kg)

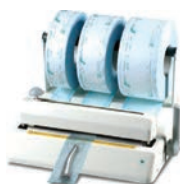


Optional Accessories

Sealer Newseal Plus

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

- Self adjusting sealing from 10 mm
- Retracting blade cutter
- Visual and acoustic seal indication
- Reel holder
- Pre-set for wall attachment



**MODEL : Sealer Newseal Plus
ORDER CODE : Z1279**

Barcode Label Writer

Increase traceability levels by combining sterile instruments and patients.



**MODEL : Barcode Label Writer
ORDER CODE : Z1281**



Helix Test

Kit to test steam penetration in handpiece cavities.



**MODEL : Helix Test
ORDER CODE : Z1283**

USB Data Logger

Store all cycle information directly onto a file without a paper report. The 2 GB USB drive, supplied with the USB log interface, allows storage of more than 10,000 cycles.

**MODEL : USB Flash Drive (2.0 GB)
ORDER CODE : Z1280**



DX Labeller

Designed for fast, easy traceability. The label shows production and expiration dates, operator name, cycle number and other information.

**MODEL : DX Labeller
ORDER CODE : Z1282**



Purity

High quality water is essential to improve sterilisation quality. We offer an optional automatic water supply device with a desalination feature.

**MODEL : Purity
ORDER CODE : Z1284**



NSK AUTHORISED DISTRIBUTORS

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