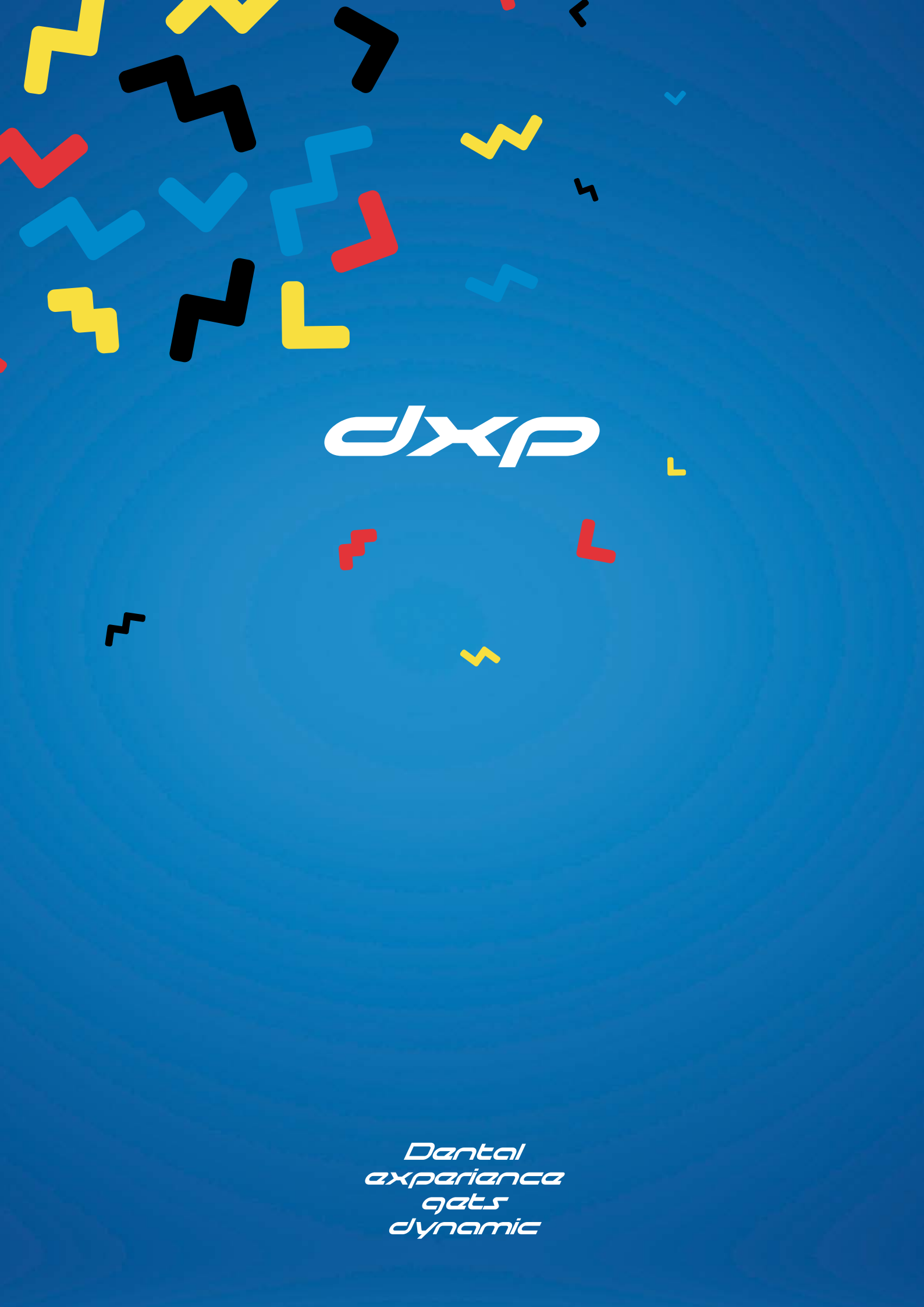

dxp
Dental
experience
gets
dynamic

DXP is the brand of NSK Dental Italy specialised in sterilization. The natural evolution of over 40 years of experience boasted by Dental X, DXP has inherited its solid technical and design expertise and brought a fresh, dynamic style to it. Its products are known and renowned worldwide for their reliability, efficiency and ability to tune into the needs of the new professionals in the dental and medical sector.

DXP was established with a clear vision: aspiring to build on the excellent results of safe and high-performance devices, such as the DXPclave and the DXP NewSeal thermosealer, a community of professionals naturally inclined to seek and to appreciate the dimension of technology that is user-friendly, creative and aspires to customise their working environment.

**Dental experience gets dynamic. So, why don't you?**


DXPclave _2
DXP Domina _6
DXP Purity _9
DX17 _12
DXP NewSeal _16
Accessories _20

# dxp CLAVE

## TECHNOLOGY AND DESIGN

Every feature of the DXPclaves is designed to simplify daily workflows and render sterilisation operations fast and effective. Their capacity and user-friendly design ensure optimised load capacity and cycle times, whilst integrated user-friendly technologies facilitate operation and traceability. DXPclaves are the robust and safe ally that every professional needs.




### LOAD CAPACITY

With their larger load compartment and **5 differentiated trays designed to improve capacity**, the DXPclaves allow all useful space to be exploited, guaranteeing the best load capacity in their categories (up to 24L). All with optimised full-load cycle times for extreme effectiveness.

### USABILITY

DXPclaves' user interface is designed with a high focus on usability. Thanks to the 4.3" capacitive touch screen display and the **intuitive menu**, cycle selection and programming are simple and instantaneous. A **user-friendly** design then facilitates the work of every professional.












### PERFORMANCE

DXPclaves are designed to generate steam quickly and efficiently: **steam is injected sideways** relative to the chamber, in the middle position and directly onto the tray holders, which act as **heat accumulators**. Steam is distributed evenly within the chamber, ensuring the gentle treatment of the instruments and maximising the effectiveness of the sterilisation process while reducing drying time.

### TRACEABILITY

With DXPclaves, sterilisation cycle reports can be automatically saved on USB media. Traceability is optimised thanks to the integrated or external printer. The **native Ethernet connection** ensures compatibility with the web platform and allows storage and analysis of the data.

## INTENDED USE

DXPclaves are small steam sterilisers used to sterilise medical devices or materials that are likely to come into contact with blood or body fluids.
According to requirements of EN 13060 they are suitable for following sterilisation cycle types and loads:

**TYPE B** - Sterilisation of solid products, porous products and lumen devices, wrapped or non-wrapped as represented by the test loads.

**TYPE S** - Sterilisation of non-wrapped solid products.

## STERILIZATION CYCLES

| CYCLE | TEMP. | STERI-LISATION | DRYING | MAX. LOAD | | TYPICAL LOAD CYCLE TIME 2KG* | | FULL LOAD CYCLE TIME* | |
|---|---|---|---|---|---|---|---|---|---|
| | DXP CLAVE 18 & 24 | DXP CLAVE 18 & 24 | DXP CLAVE 18 & 24 | DXP CLAVE 18 | DXP CLAVE 24 | DXP CLAVE 18 | DXP CLAVE 24 | DXP CLAVE 18 | DXP CLAVE 24 |
| B Universal | 134°C | 4’ 00” | 10’ | 5 kg | 7 kg | 38’ | 41’ | 51’ | 59’ |
| B Prion | 134°C | 18’ 30” | 14’ | 5 kg | 7 kg | 59’ | 62’ | 72’ | 78’ |
| B Fast | 134°C | 3’ 30” | 5’ | 0,5 kg ** | 0,7 kg ** | n/a | n/a | 23’ | 29’ |
| B 121 | 121°C | 20’ 30” | 16’ | 5 kg | 7 kg | 61’ | 67’ | 76’ | 82’ |
| S Fast | 134°C | 3’ 30” | 7’ | 1 kg | 2 kg | n/a | n/a | 22’ | 32’ |

Notes:
* Cycle times may vary depending on country requirements, device operation conditions, the type and weight of the load, temperatures and mains voltage.The indicated weight includes trays.

** Use only the second tray from the bottom. Load type only solid, hollow, individually bagged products.

## TECHNICAL CHARACTERISTICS

| CHARACTERISTICS | DXPclave 18 | DXPclave 24 |
|---|---|---|
| OVERALL DIMENSIONS | 451 x 492 x 669 mm (L x H x D) | 451 x 492 x 669 mm (L x H x D) |
| CHAMBER DIMENSIONS | Ø 265 - 368 mm (D) | Ø 265 - 475 mm (D) |
| CHAMBER VOLUME | 18 L | 24 L |
| WEIGHT (no load) | 52 kg | 55 kg |
| POWER SUPPLY VOLTAGE | 230V ~ 50/60Hz | 230V ~ 50/60Hz |
| CONSUMPTION (power) | 10A – 2300 W | 10A – 2300 W |
| CYCLE WATER CONSUMED | 600 cc ~ 700 cc * | 700 cc ~ 800 cc * |
| TANK CAPACITY (clean water and used water) | 5 litres each | 5 litres each |
| SOUND EMISSION | 60 dB(A) | 60 dB(A) |

Note: Water should fulfill the EN 13060 Annex C requirements.

* Value subject to device operating conditions (e.g. chamber temperature, selected cycle, etc.).



## SAFETY DEVICES

- Protection from electricity blackout
- Protection from short-circuit
- Protection from overheating
- Protection from overpressure
- Protection from accidental door opening
- Process evaluation system
- Real-time autodiagnosis system

## CERTIFICATIONS

- Class IIb medical device compliant with Reg. MDR. 2017/745 / EU (rule 16)
- Chamber complies with Directive 2014/68/EU
- Company: ISO 9001 - ISO 13485

## MAIN COMPLIANCES

CE 0051

- EN 13060
- IEC 61010-1
- IEC 61010-2-040
- IEC 61326-1
- EN 13445

INTERNATIONAL STANDARDS

## CODES

DXPclave 18 | **91811B0100**
DXPclave 18 Printer | **91811B0100P**
DXPclave 24 | **92411B0100**
DXPclave 24 Printer | **92411B0100P**

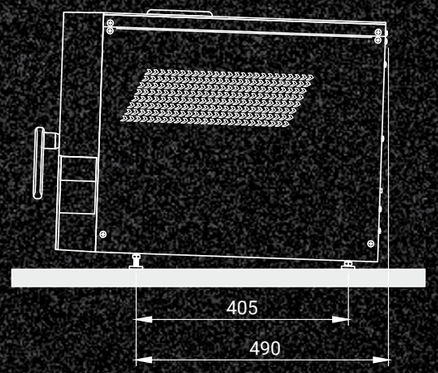
Also available with a UK plug

## DOCUMENTATION SUPPLIED

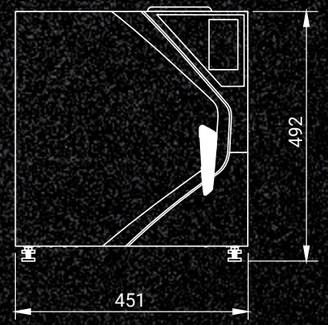
- Declaration of Conformity for the device
- Declaration of Conformity for the chamber
- Test Report
- User Manual
- Quick Guide

## TECHNICAL DATA SHEET

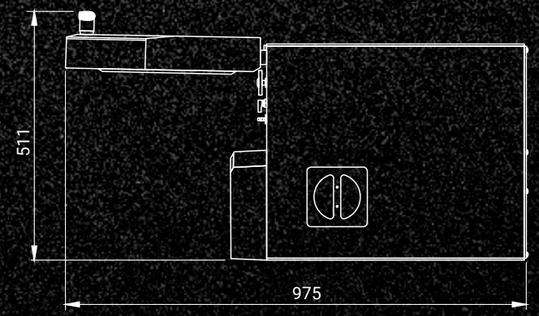
SIDE VIEW

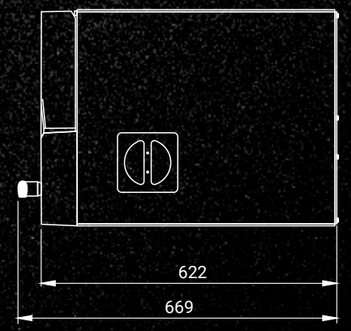



FRONT VIEW




TOP VIEW



dxp DOMINA




## RELIABLE AND AFFORDABLE

DXP Domina has been designed based on the essential functions, that a modern autoclave must be able to offer professionals and their team. This is clear from the moment you observe its elegant, compact design. Able to guarantee class B and class S sterilization cycles with impressive flexibility, it's only through time that all this autoclave's qualities really become evident, however. The most important of these is reliability, because DXP Domina is extremely robust, and the prime-quality materials and selected components reduce maintenance and therefore costs to a minimum.

DOMINA

## EFFECTIVE AND GENTLE

DXP Domina's task is clear and precise: to guarantee effective, gentle sterilization, allowing the operator to work comfortably and with no concerns. This result is achieved thanks to a number of technical solutions able to guarantee both quality and quantity: the spacious copper chamber ensures excellent load capacity, rapid and uniform heating, while the Adaptive Heat system eliminates temperature fluctuations, making it possible to sterilize even the most sensitive instruments, such as air turbines and handpieces, reducing the risk of damaging them to a minimum. And there's more: DXP Domina does all this with a noise level of just 53 db – and as we know, to work in comfort, silence is important too.



# dxp DOMINA

ECO-FRIENDLY

SAFE

RELIABLE




AFFORDABLE

GENTLE

EFFECTIVE

**SAFE AND ECO-FRIENDLY**

One of the qualities that has made DXP Domina a benchmark for years in the sterilization sector, known and chosen by so many dentists worldwide, is its ability to combine performance with another fundamental, practical aspect: safety. Safety in the management of the autoclave, thanks to the bacteriological filter, the practical cap for filling the tank and the clean/dirty water tap, and safety in the post-sterilization cycle process, thanks to the integrated printer and optional Wi-Fi kit, which makes it possible to trace and file data quickly, easily and in full compliance with the regulations in force.
Another aspect that makes DXP Domina a convincing choice for the new generations of professionals is its ability to offer a practical, sustainable, eco-friendly solution, thanks to its impressive energy efficiency and the fact that it consumes just 530 ml of water to carry out a sterilization cycle.














# dxp PURITY




Compliant with the EN 1717 standard, DXP Purity is a special fully automatic reverse osmosis system with three filters, to be placed on top of the autoclave to connect it to the mains water system and produce between 1,000 and 2,000 litres of high-quality demineralised water. Depending on the consumption of the autoclave, this makes it possible to carry out between 2,000 and 4,000 sterilization cycles effectively and reliably.

# dxp DOMINA

## STERILIZATION CYCLES

| Cycle | Temperature | Sterilization | Drying | Vacuum | Type of Cycle | Maximum load |
|---|---|---|---|---|---|---|
| B134 | 134° C | 5′ | 10′ | 3 | B | 4 kg solid<br>1.5 kg porous |
| B121 | 121° C | 20′ | 11′ | 3 | B | 4 kg solid<br>1.5 kg porous |
| S134 | 134° C | 3′ | 5′ | 2 | S | 4 kg solid |
| CUSTOM | 105-135° C | 3′-9′ | 5′-12′ | 2-3-4 | | 4 kg solid<br>1.5 kg porous |
| HELIX TEST | 134° C | 3′30″ | 10′ | 3 | TEST | |
| B&D TEST | 134° C | 3′30″ | 10′ | 3 | TEST | |
| VACUUM TEST | < 35° C | | | 3 | TEST | |

## TECHNICAL CHARACTERISTICS

| | DXP DOMINA - 18 L |
|---|---|
| OVERALL DIMENSIONS | 447 x 438 x 625 mm (L x H xD) |
| CHAMBER DIMENSIONS | Ø 240 - 384 mm (D) |
| CHAMBER VOLUME | 17,5 L |
| WEIGHT (empty) | 45 kg |
| POWER SUPPLY VOLTAGE | 230V ~ 50/60 HZ |
| CONSUMPTION (power) | 900 W - 1920 W |
| OPERATING TEMPERATURE | +10 - +40°C |
| OPERATING ALTITUDE (leaving the loading cap free) | up to 2000 m a.s.l. |
| OPERATING RANGE | Indoor use<br>Relative humidity 85%<br>Max. mains voltage variation ±10%<br>Installation category II Pollution level 2 |
| VOLUME OF WATER CONSUMED | 0,6 litres |
| TANK CAPACITY (clean water and used water) | 4 litres each |
| AUTOMATIC STANDBY | After 30′ of inactivity |

# dxp PURITY

## TECHNICAL CHARACTERISTICS

| | DXP PURITY |
|---|---|
| OVERALL DIMENSIONS | 450 x 140 x 510 mm (L x H x D) once installed |
| WEIGHT (empty) | 10 kg |
| POWER SUPPLY VOLTAGE | 230Vca ~ 50-60Hz / 24Vca - 800mA |
| MAXIMUM CONSUMPTION | 27VA |
| WATER SUPPLY | 0,4-6 bar, min. 2 l/min |
| DRAINAGE | 2 l/min |



# dxp DOMINA

## SAFETY DEVICES

- Protection from electricity blackout
- Protection from short-circuit
- Protection from overheating
- Protection from overpressure
- Protection from accidental door opening
- Process evaluation system
- Real-time autodiagnosis system
- Adaptive Heat System

## CODES

**918.00.B0100**
DXP Domina

**918.00.B0100P**
DXP Domina Printer

## CERTIFICATIONS

- Autoclave compliant with Directive 93/42/CEE as amended
- Class II B Device - Chamber compliant with Directive 2014/68/UE
- Company: ISO 9001- ISO 13485

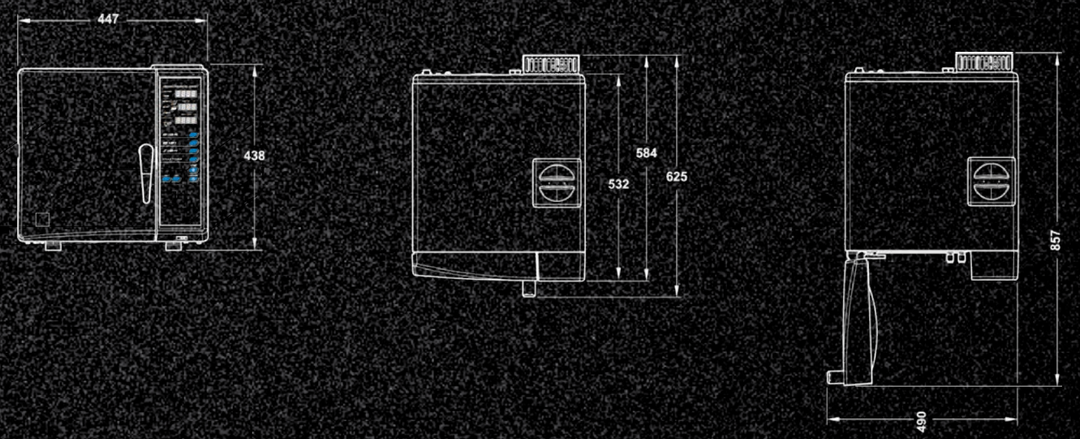
## MAIN COMPLIANCES

- EN 13060
- IEC 61010-1
- IEC 61010-2-040
- IEC 61326-1
- EN 13445

INTERNATIONAL STANDARDS

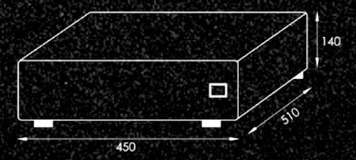
CE 0051

## TECHNICAL DATA SHEET




# dxp PURITY

## TECHNICAL DATA SHEET




## CODES

**98018040**
Purity

**10026400K**
Purity Kit
Refill cartridges for Purity

DX 17

dentalx

DX 17

**EFFICIENT**

A class S and N autoclave, equipped with 4 programs, DX 17 is fitted with a special pump to make instrument drying faster and more effective. At the end of the cycle, the machine switches off automatically, eliminating the risk of heating. Thanks to a Wi-Fi device, sterilization data can be recorded, guaranteeing cycle traceability simply and effectively.

**COMPACT**

DX17 weighs just 21 kg, with a simple, compact design. This means it can be placed conveniently in any setting, whether it has been chosen to equip a new sterilization workstation or to renew the devices already present in a dental practice.
















EFFICIENT COMPACT SIMPLE




**SIMPLE**

Simply smart: this is the principle that inspired the design of every aspect of DX17. The practical side cuts at the base offer secure grip, making it even easier to move the device; the manual opening system and the clear, intuitive graphic interface make all operations easy, as well as safer than ever.

# DX 17

## STERILIZATION CYCLES

| Cycle | Temperature | Sterilization | Drying | Type of Cycle | Maximum load |
|---|---|---|---|---|---|
| 134° SOLID | 134° C | 4’ | 2-12’ | S-N | 1-1,4 Kg |
| 134° POROUS | 134° C | 14’ | 4-14’ | S | 0,2 Kg |
| 121° SOLID | 121° C | 20’ | 2-12’ | S-N | 1-1,4 Kg |
| 121° POROUS | 121° C | 30’ | 4-14’ | S | 0,2 Kg |

## TECHNICAL CHARACTERISTICS

| | DX 17 - 6L |
|---|---|
| OVERALL DIMENSIONS | 377 x 303 x 435 mm (L x H x D) |
| CHAMBER DIMENSIONS | 170 x 276 mm (ø x D) |
| CHAMBER VOLUME | 6,0 L |
| WEIGHT (empty) | 21 kg |
| POWER SUPPLY VOLTAGE | 230 V ~ 50/60 Hz |
| CONSUMPTION (power) | 400 W - 700 W |
| OPERATING TEMPERATURE | +10 - +40°C |
| OPERATING ALTITUDE (leaving the loading cap free) | up to 2000 m a.s.l. |
| OPERATING RANGE | Indoor use<br>Relative humidity 20 + 85%<br>Temperature +10 - +40°C<br>Atmospheric pressure 750 + 1050 mbar |
| VOLUME OF WATER CONSUMED | 0,3 litres |
| TANK CAPACITY (clean water and used water) | 2 litres |
| AUTOMATIC STANDBY | After 30’ of inactivity |



DX 17

## SAFETY DEVICES

- Protection from electricity blackout
- Protection from short-circuit
- Protection from overheating
- Protection from overpressure
- Protection from accidental door opening
- Process evaluation system
- Real-time autodiagnosis system
- Adaptive Heat System

## CERTIFICATIONS

- Autoclave compliant with Directive 93/42/CEE as amended
- Chamber compliant with Directive 2014/68/UE
- Company: ISO 9001- ISO 13485

## MAIN COMPLIANCES

- EN 13060
- IEC 61010-1
- IEC 61010-2-040
- IEC 61326-1
- EN 13445

INTERNATIONAL STANDARDS

CE
0051

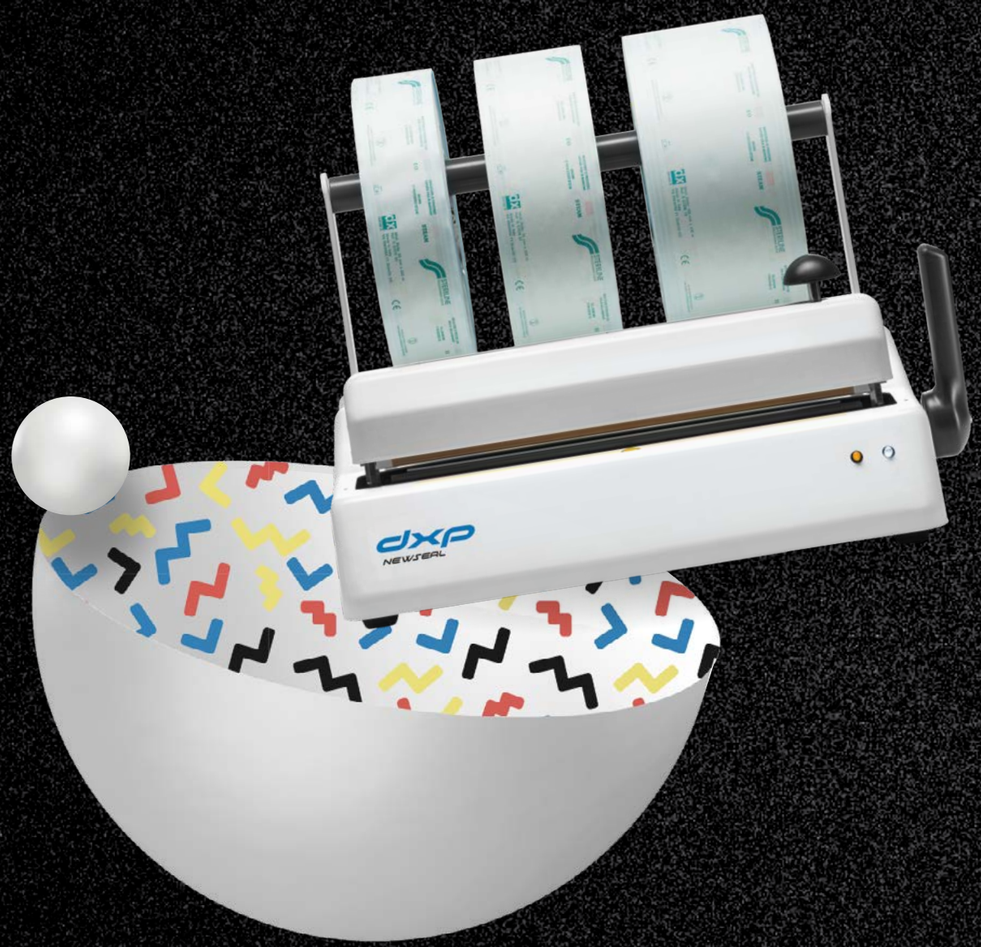
## TECHNICAL DATA SHEET




## CODES

**906.01.S0101**
DX17 S

**906.01.N0101**
DX17 N




# NEW SEAL

## EFFECTIVE AND VERSATILE

Every professional - and their assistants responsible for reprocessing instruments and devices - knows that truly effective, safe sterilization starts even before the materials used during treatment are subjected to the cycle in the autoclave. It is essential that they are carefully sealed in disposable pouches, to avoid invalidating the process and compromising safety. The DXP NewSeal thermosealer allows this essential operation to be carried out not only effectively, but in a way that's practical and convenient for the operator.



dxp NEWSEAL

EFFECTIVE

RELIABLE




VERSATILE

SAFE

## SAFE AND RELIABLE

DXP NewSeal is the perfect partner to complement the DXP Domina autoclave, because it impeccably seals the surgical instruments in pouches before insertion into the autoclave, so they remain sterile once the cycle is complete. Equipped with a self-adjusting heating element that produces a 10 to 11 mm seal, it starts sealing automatically when the lever is lowered. The built-in roll holder can house rolls of different sizes and in different combinations, and the anatomical anti-scald handle is safe and simple to use, even for less experienced operators.

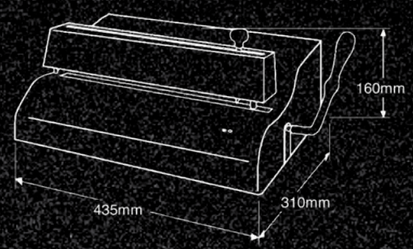


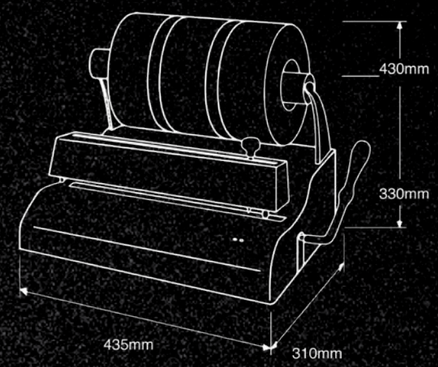



## TECHNICAL CHARACTERISTICS

| | DXP NEWSEAL |
|---|---|
| DIMENSIONS (without rolls) | 435 x 160 x 310 mm (L x H x D) |
| DIMENSIONS (with roll holder and rolls) | 435 x 330/430 x 310 mm (L x H x D) |
| WEIGHT | 7 kg |
| POWER SUPPLY | 230 V 50/60 Hz |
| MAX POWER | 400 W |
| SEALING BAND | 10 mm |
| STAND BY | After 25' of inactivity |

## TECHNICAL DATA SHEET




## CODE

**100071**
DXP NewSeal

# ACCESSORIES



**OPTIONAL PRINTER**

Optional external, affordable and compact printer, ideal for printing sterilisation cycle data on paper or adhesive labels. It comes with a USB and power supply cable.

CODE 9900009



**EXTERNAL PRINTER**

A convenient, compact, optional external printer for printing out cycle data when required.

CODE 9900006K



**WI-FI KIT**

A device for storing sterilization cycle data on an external memory and sending them to any PC, tablet or smartphone, using a Wi-Fi connection. Includes: 1 Wi-Fi log and 1 connection cable.

CODE 599011




**HELIX TEST**

Helix Test allows you to verify steam penetration into hollow instruments. The test consists of a plastic tubular device with an indicator recipient at the end, supplied with 250 control indicators. The indicators are easy to understand, and are compliant with the EN 867-5 standard.

CODE 9900059




**REGENERATING TABS**

Special effervescent tablets for cleaning the chamber of the autoclave. When placed inside the chamber before starting the dedicated cycle, it removes limescale and dirt residue from the boiler.

CODE 0230050




**DEMIN30**

Demin30 is a demineralisation system with mixed-bed and ion-exchange resin, which enables the complete demineralisation of water. Easy to install on various autoclave models, it is essential to ensure optimal performance and protect sterilised instruments, extending the life of autoclaves or other reprocessing devices.

CODE: 98001000







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