
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 DXP Domina autoclave 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?

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dxp CLAVE

TECHNOLOGY AND DESIGN

Every feature of the DXPclave is designed to simplify everyday work and render sterilisation operations fast and effective. The capacity and user-friendly design ensures optimised load capacity and cycle times, whilst integrated user-friendly technologies facilitate operation and traceability. DXPclave is the robust and safe ally that every professional needs.



LOAD CAPACITY

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

USABILITY

DXPclave's 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

DXPclave is designed to generate steam quickly and efficiently: it **injects steam 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 DXPclave, 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.

dxp CLAVE

INTENDED USE

DXPclave is a small steam sterilizer used to sterilize medical devices or for materials that are likely to come into contact with blood or body fluids. According to requirements of EN 13060:2014+A1:2018 it is suitable for following sterilization cycle types and loads:

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

TYPE S - Sterilization of non-wrapped solid products.

STERILIZATION CYCLES

Cycle	Temperature	Sterilisation	Drying	Max. load	Typical load cycle time 2kg*	Full load cycle time*
B Universal	134°C	4' 00"	10'	7 kg	41 min	59 min
B Prion	134°C	18' 30"	14'	7 kg	62 min	78 min
B Fast	134°C	3' 30"	5'	0,7 kg*	n/a	29 min
B 121	121°C	20' 30"	16'	7 kg	67 min	82 min
S Fast	134°C	3' 30"	7'	2 kg	n/a	32 min

Cycle times may vary depending on 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

	DXP CLAVE - 24L
OVERALL DIMENSIONS	451 x 492 x 669 mm (L x H x D)
CHAMBER DIMENSIONS	Ø 265 - 475 mm (D)
CHAMBER VOLUME	24 L
WEIGHT (no load)	61 kg
POWER SUPPLY VOLTAGE	230V ~ 50/60Hz
CONSUMPTION (power)	2350 W
CYCLE WATER CONSUMED	700 cc ÷ 800 cc*
TANK CAPACITY (clean water and used water)	5 itres each
AUTOMATIC STANDBY	After 5' of inactivity
SOUND EMISSION	60 dB

Water should fulfill the EN 13060 Annex C requirements.
* Value subject to device operating conditions (e.g. chamber temperature, selected cycle, etc.).

dxp CLAVE

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 IIa 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
0123

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

INTERNATIONAL STANDARDS

CODES

92411B0100
DXPclave 24
92411B0100P
DXPclave 24 Printer

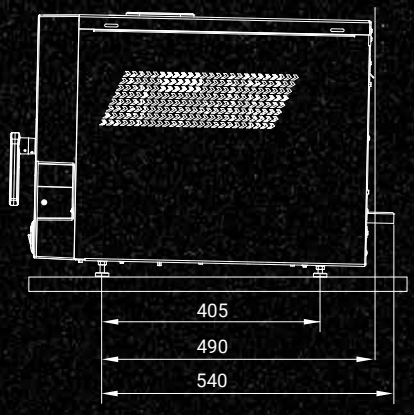
Available also with UK plug

DOCUMENTATION SUPPLIED

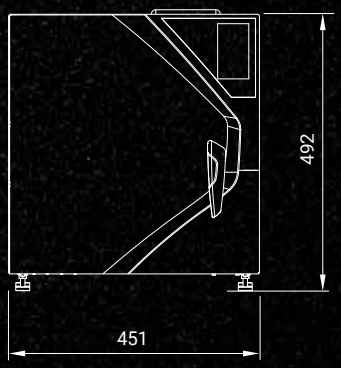
- Declaration of Conformity for the device
- Declaration of Conformity for the chamber
- Test Report
- User Manual
- Quick Guide

TECHNICAL DATA SHEET

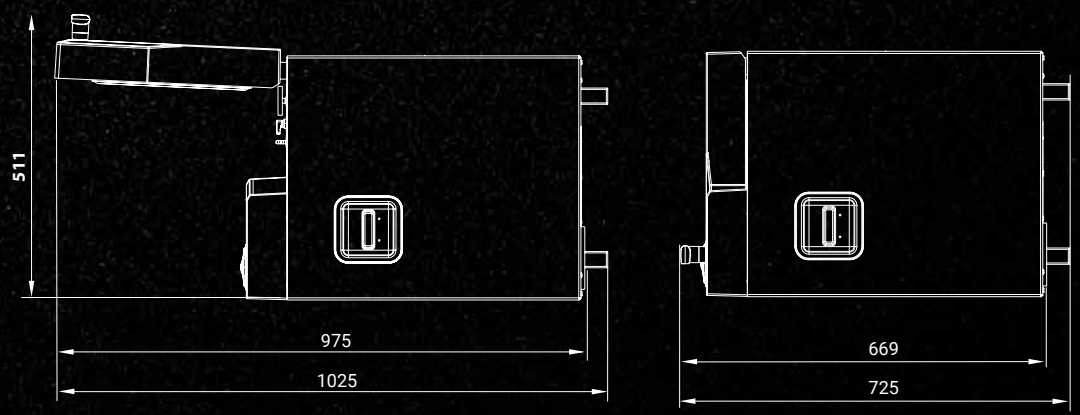
SIDE VIEW



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 1.5 kg porous
B121	121° C	20'	11'	3	B	4 kg solid 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 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 Relative humidity 85% Max. mains voltage variation ±10% 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

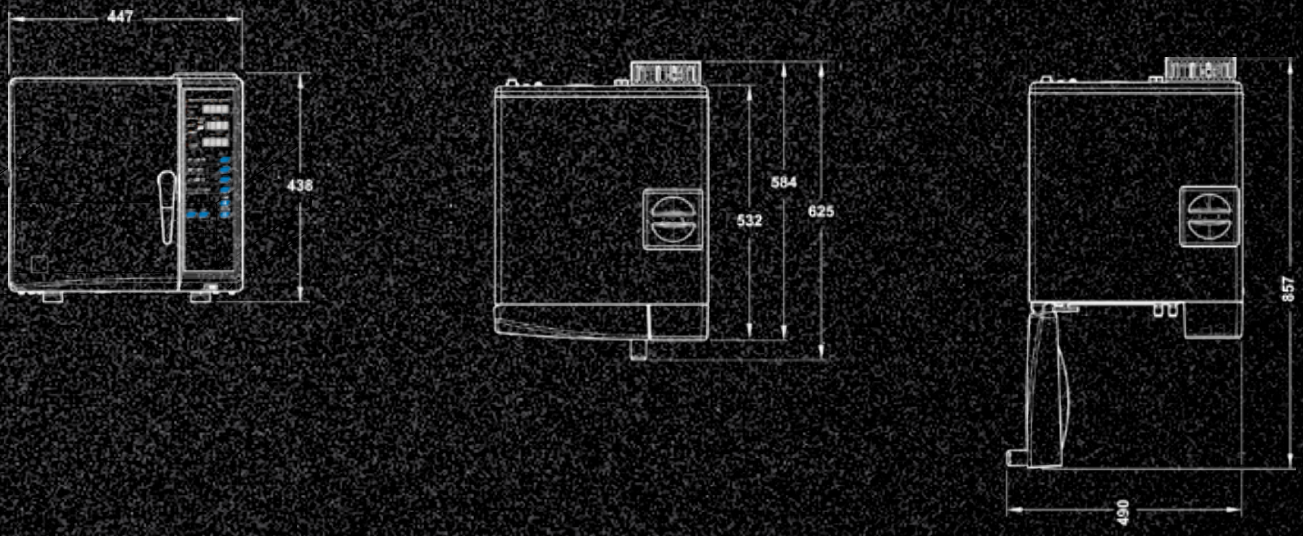
MAIN COMPLIANCES

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

INTERNATIONAL STANDARDS

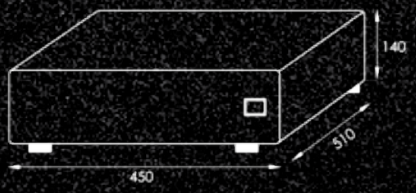
CE
0051

TECHNICAL DATA SHEET



DXP PURITY

TECHNICAL DATA SHEET



CODES

98018040
Purity

10026400K
Purity Kit
Refill cartridges for Purity

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.

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 Relative humidity 20 + 85% Temperature +10 - +40°C 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

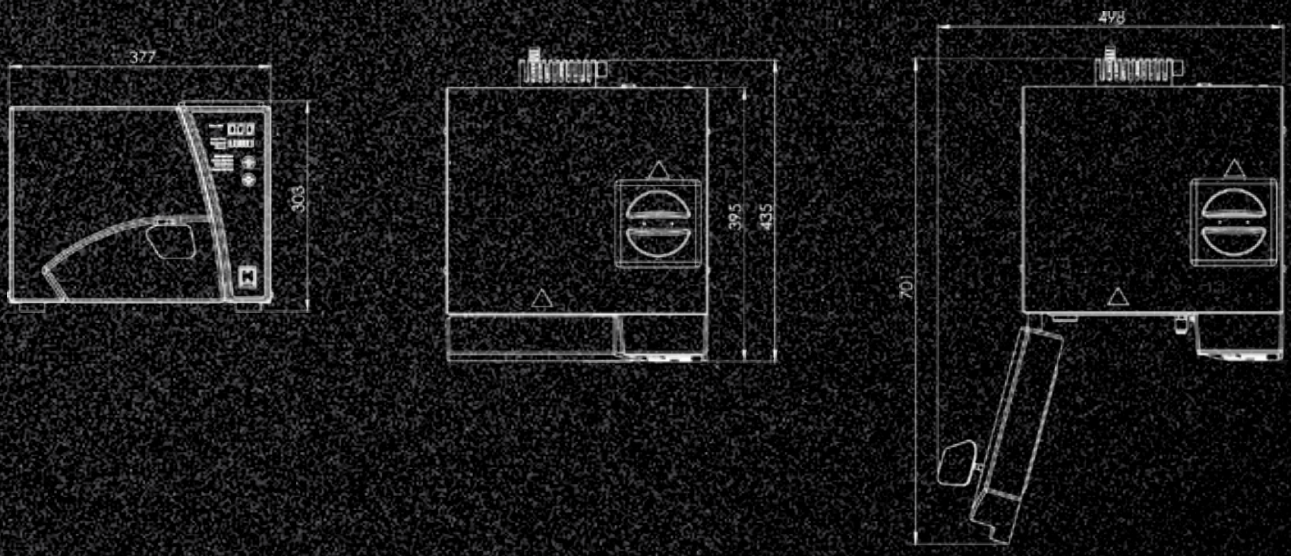
MAIN COMPLIANCES

- 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

dxp NEWSEAL



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

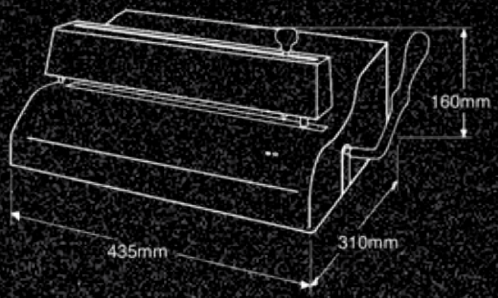
DXP NewSeal is the perfect partner to complement the DXP Domina autoclave, because it impeccably seals the surgical instruments in pouches before insertion into the autoclave, so they remain sterile once the cycle is complete. Equipped with a self-adjusting heating element that produces a 10 to 11 mm 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.

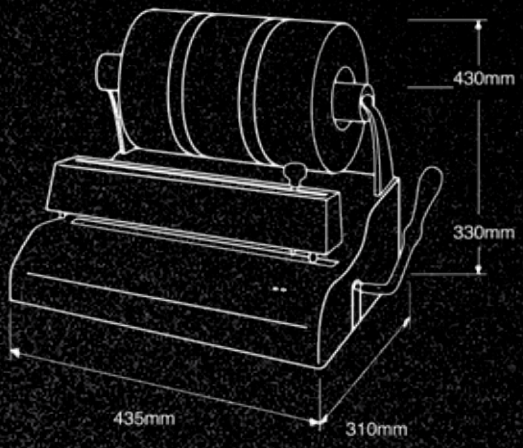


TECHNICAL CHARACTERISTICS

	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



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