

NEWSTAR TECHNICAL SPECIFICATIONS*

TECHNICAL SPECIFICATIONS	AUTOCLAVE - Lt.18	AUTOCLAVE - Lt.23
Mains voltage	230V - 50/60 Hz 240V - 50 Hz	230V - 50/60 Hz 240V - 50 Hz
Max current absorbed		
Max current absorbed	2400 W	2400 W
Average consumption per cycle (variable depending on the load and type of cycle)	680 W	680 W

Medical device in compliance with applicable requirements of 93/42/CE Directive and s.m.i. - Medical device - Rules applied: EN 13060 - Small steam sterilizers, EN 61326. Electromagnetic compatibility, EN 61010-1 - electrical safety requirements General aspects, EN 61010-2-40 - electrical safety requirements for steam sterilizers.

VOLUMES AND CONSUMPTION		
Loading tank capacity	4.50 lt	4.50 lt
Autonomy cycles with a single load of distilled water in the integrated tank	7/8	6/7
Distilled water consumption per cycle	400 ml	500 ml

DIMENSIONS		
Chamber diameter	240 mm	240 mm
Chamber length	381.5 mm	530 mm
Autoclave dimension	505 x 400 x 615 mm	505 x 400 x 690 mm
Minimum depth of bench to place the autoclave	520 - 540 mm	580 - 600 mm
Tray dimensions	285 x 184 mm	382 x 184 mm

CHARGE		
Max solid Load (wrapped)	2,5 Kg	3,5 Kg
Max solid Load (unwrapped)	4,0 Kg	4,5 Kg
Max Load (porous)	1,0 Kg	1,5 Kg

STERILIZATION CYCLES TIMES		
(variable depending on the load introduced)		
134°C standard	From 30' a 32'	From 30' a 32'
134°C prion fr	From 42' a 44'	From 42' a 44'
121°C standard	From 44' a 46'	From 44' a 46'

EQUIPMENT		
Accessories included in any autoclave :	1 holder tray with 4 trays	1 holder tray with 4 trays
Possibility to introduce 2 surgical cassettes in the holder tray (ruotando il supporto di 90°)	Yes	Yes

The tray holder is supplied together with 4 trays and the following accessories:

CLEANING SPONGE

SILICON-INSULATED GLOVE (Use the glove to extract the hot trays)

or TOOL FOR TRAY EXTRACTION - Use the right side to extract the hot trays

1 FILL HOSE - 2 DRAIN TUBES)

* THE TECHNICAL DATA ARE TYPICAL
VALUES SUBJECT TO TOLERANCE.

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AUTOCLAVE
NEWSTAR

INTUITIVE, FAST, LOW POWER CONSUMPTION
AND MAINTENANCE.

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NEWSTAR Autoclaves line, versions 6, 18, 23, represents the avant-garde in the sector of the dental sterilization.

They are realized with selected and accurate components and an electronics of new-generation that allow to reduce both energy and water consumptions and time/ costs of maintenance.

SAFETY DEVICES

1. Three microswitches manage the door control and system of automatic hookup: they work independently and verify that the system of the door is closed and jammed in the correct way. In case of a problem occurs, a warning signal prompt the user that the cycle cannot begins. If the cycle is started and a problem is recognised, the microprocessor interrupts the process and immediately discharges the pressure of the machine.
2. Two different mechanical thermostats of the temperature check that, for accidental reasons, the temperature of the various components doesn't exceed the requested one.
3. Four electronic sensors of temperature continually check all the crucial points of the machine, preventing errors of overtemperature during the work process.
4. A safety valve against the overpressure avoid the danger of explosion.
5. An electronic pressure transducer check up on all solenoid valves, opening them in case of overpressure.

- Perform both class "S" and "B" cycles so that the practitioner can choose the most suitable cycle according to the material to be sterilised.
- Fast cycles thanks to the innovative QUICKSTEAM system to dramatically reduce sterilisation time.
- Easy, intuitive 4-button control panel.
- Integrated safety system to monitor every stage of the cycle and report any irregularities.
- Quick coupling taps for loading and draining water.
- Automatic water tank loading by means of integrated pump and used water draining tank.
- Possibility of direct connection to the water network by means of demineralisation or osmosis system.
- Limited water consumption: chamber water dosing system managed by software to avoid wastage.
- Conductivity meter on the machine:

quality reader for water used.

- Steel chamber without welding spots, smooth and easy to clean.
- Latest generation aluminium moulded Steam generator with stainless steel connections and circuit. Ensures faster cycles and higher steam quality as, with less humidity inside and a greater percentage of saturated steam, preparation time and therefore cycle time is automatically reduced.
- Solenoid valves with stainless steel frame, offering the advantage of not creating any problems with lime deposits.
- Heat exchanger on 3 lines, double circuit for the vacuum plus a line for draining. This allows for the abatement of temperature of the air arriving at the pump and therefore does not create stress from a thermal point of view. This allows for a special line for the discharge of moisture normally present inside. The advantage of a longer life for your vacuum pump.

- Dual temperature sensor for improved temperature/pressure sterilisation parameters.
- Low energy consumption: Copper coated band resistor with improved thermal conductivity, preventing energy waste.
- PATENTED automatic locking system: The system utilised activates automatically resting the door; the closing motor activates the door lock system until it closes. This system, performed automatically by the machine, balances the progressive wear of the inspection window seal without requiring any adjustment by the user.
- PATENTED damped hinge system: allowing for improved door operation with an increased lip seal making it usable for a longer time compared to its main competitors.
- PATENTED resistor system with built-in copper: this allows the heated part to transmit heat over the entire

circumference of the chamber quickly and without dispersions. This system helps reduce consumption up to 680W/h per cycle, making our machine among those with the lowest current consumption with important benefits on cost and the environment.

- Maximum temperature uniformity: homogeneous temperature and pressure throughout the entire sterilisation chamber.
- Automatic last advanced cycle, in class B and S autoclaves: at the end of each cycle, after a period of inactivity, the machine proceeds to perform a new drying cycle every 30 minutes in order to minimise condensation and to better dry the tools.
- Energy savings: Automatic stand-by system.
- Warranty 2 years or 1500 CYCLES.
- Emission with built-in printer.
- Version with built-in printer + USB.