B Futura and B Classic
Absolute performance

easy, it's Mocom
Our vision.

For over twenty-five years, safety, reliability and innovation have been the guiding principles behind all aspects of design and production at Mocom, the world's leading sterilization firm. The factors that set us apart, in terms of both skill and innovation, are conscientious attention to the choice of materials, ground-breaking technology, enforcement of strict production/quality control protocols and the wealth of experience accumulated by our qualified, specialised sterilization system designers. Mocom, sterilization first.

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STERILIZATION FIRST

B Futura and B Classic.

Designed to ensure maximum safety and hygiene standards at all times.

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B Futura and B Classic.

Maximum performance in complete safety.

The B Futura and B Classic - the sterilizers that simplify workflows while ensuring constant cutting-edge performance - offer the very best in efficiency and reliability. Class B sterilizers can be used to sterilize all instrument types - porous, solid or hollow - in full compliance with strict legal standards. Constant attention to safety, exclusive after-sales assistance and convenient self-checking procedures ensure unrivalled user-friendliness.
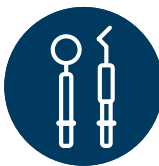
Reliability and safety

Mocom sterilizers ensure maximum hygiene, full compliance with safety protocols and certified quality. A perfect blend of user-friendliness, high performance and utmost safety.

Connectivity

B Futura sterilizers can be remote controlled via an Ethernet port or Wi-Fi network connection. Sterilization cycle reports can be saved and printed so that users can easily keep a record of the work carried out.

Treatment of any load type

Class B sterilizers can be used to sterilize any instrument. With B Futura and B Classic, in fact, any type of load can be sterilized: hollow items, porous or solid materials.

Personalisation

A simple interface lets users set sterilization cycles by selecting personalised programs on the touch-screen display. It's also possible to set a profile with which to access sterilizer settings.

Efficiency

Sterilization cycle speed has a positive impact on productivity. Utilisation of specific components (such as the instantaneous steam generator) means lower consumption and considerable energy savings.

Ergonomics

Three different models provide load capacities of 17, 22 and 28 litres, all models having the same external dimensions. Three water connection points - frontal, upper and rear - make filling and draining easier.

Instrument hygiene: in safe hands.

The most effective, comprehensive solution for all load types.

With the B Futura and B Classic, users can set different cycles according to the type of material being sterilized, thus ensuring all instruments undergo suitable treatment. Drying - integrated into the cycle - completes the sterilization process and allows immediate utilisation of instruments; moreover, water filling and draining can be controlled manually or automatically via a dedicated tank.

Simplified water filling/draining procedure

Large hatches on the upper part of the sterilizer allow top loading and provide full access for tank inspection and sanitisation purposes while quick couplings on the frontal section allow fast filling and draining. The sterilizers can be equipped with automatic filling systems, such as a demineraliser with ion exchange resin cartridges or a reverse osmosis device.

Water control sensor

The in-tank sensor checks incoming water quality to ensure long-lasting machine performance. To safeguard the sterilizer and prevent any limescale damage, users can check water quality at any time.

Dust filter

The dust filter (on the machine underside) traps impurities in the cooling air and protects the sterilizer interior and steam condensation system. Easy to maintain, it requires no replacement tasks, just periodic sanitisation.

B Futura.

Technology and safety, the perfect sterilizer for the most demanding users.

B Futura is an 'intelligent' sterilizer and constitutes an indispensable work tool. High-performance and user-friendly, it ensures outstanding performance that takes up less time. The colour LCD touch-screen and user-friendly interface, which allows every single sterilization cycle to be traced, complete the machine's range of features. Three versions, 17, 22 and 28-litres, are available (all have the same overall machine dimensions), to meet every possible professional need.

Colour touch screen display

Thanks to the 4.3" LCD colour touch-screen, sterilization cycle management is simple and intuitive. Each check is represented by clearly understandable icons that make it easy to identify current machine status.

Advanced performance

The outstanding technological performance of B Futura is also confirmed at operative level: higher speed and lower water consumption make it one of the highest-performing sterilizers on the market. The vacuum pump has been designed to offer better performance compared to the Classic series.

Complete connectivity

Maximum integration with the surgery network: B Futura can be connected via an Ethernet port or the optional Wi-Fi. Cycle data and cycle progress can be transmitted and displayed on a computer, smartphone or tablet to allow completely safe, remote monitoring.

WI-FI GENERATION

mocom

Optional printers

The standard printer allows sterilization cycle reports or simple labels to be printed, while the barcode printer, which can only be used on B Futura models, produces barcode labels containing all information relative to the sterilization cycle, making load traceability easier and faster.

Data export

Cycle reports are saved automatically on the internal machine memory (able to store up to 1,000 cycles) and can be downloaded at any time via the USB port on the front of the unit. Files can be viewed in PDF format on any device without any need for additional software.
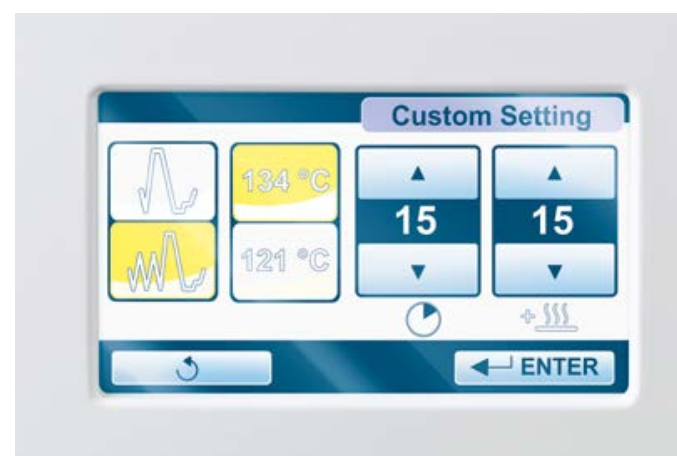
Language options

The user interface can be localised by selecting one of more than 20 available languages.

International units of measure

Units of measure can also be configured to eliminate any ambiguity and avoid resorting to conversion.

Custom cycle

Cycle parameters can be set to meet specific user needs (in complete safety) by choosing from among a wide range of standard-compliant values.

User ID

The user management function ensures the sterilizer interface can only be accessed by authorised personnel after entering an ID code: this also keeps a record of who has been using the machine.

Delayed start

The delayed start option lets users programme the sterilization cycle so it can also be executed outside working hours.

Extra drying

To deal with particularly difficult loads, B Futura also lets users set an additional drying stage.

LED light bar

On the B Futura a LED light bar is available: this ensures the work area opposite the sterilization chamber is perfectly lit and shadow-free, allowing tasks to be performed efficiently.

B Classic.

Efficiency and simplicity, the characteristics of an essential sterilizer.

The B Classic has been designed to make work easier by optimising times and costs. Exceptional quality and practicality ensure outstanding safety and adaptability. Easy to utilise, this sterilizer allows full traceability of every single sterilization cycle. Three versions, 17, 22 and 28-litres, are available (with identical external dimensions), all featuring a black and white LCD display and keypad.

User-friendly

The black and white LCD display with keypad features clear user-friendly icons. The operator's task is made easier and faster thanks to on-display availability of all data. Easy to install, even on your own, a simple guided procedure aids the initial configuration.

Maximum reliability

Reliable, extremely safe machines and one of the best warranties in the industry all thanks to the extensive skill gained from over 30 years' experience and the use of top-flight components.

Scheduled maintenance

The sterilizer uses LCD display messages to remind the operator when routine maintenance tasks - such as cleaning filters and lubricating the hatch - need carrying out; these simple tasks ensure long-lasting machine performance and prevent downtimes.

Optional printer

With B Classic load traceability is simple and practical. Thanks to the optional standard printer it is possible to print the sterilization cycle report on thermal paper.

Data sharing

B Classic is equipped with an internal memory able to store up to 500 cycles. Automatically saved data can be downloaded at any time via the USB port on the front of the unit. It's also possible to display the files on any device and without any need for additional software thanks to the PDF format.

International settings

More than 20 languages and the unit of measure can be selected, making the B Classic sterilizer suitable for any surgery.

Personalised parameters

Each user can be provided with a security code to limit access to the sterilizer and keep track of who's been using the machine . It's also possible to set cycle parameters to meet specific needs, choosing from among a wide range of standard-compliant values.

Advanced options

In the case of particularly difficult loads, B Classic lets users set a further drying stage. A delayed start option is also available, allowing users to programme the sterilization cycle at certain times.

Safety opening

No problem in the event of a power outage: the machine hatch can be opened and the material inside it retrieved simply by undoing the lid, gaining access the closure system and opening it manually.

Accessories.

A full range of accessories to expand the B Futura and B Classic function range.

To meet even the most complex, specific needs, the B Futura and B Classic sterilizers have a full range of accessories that are easy to connect up at any time. Both the B Futura and the B Classic are extremely flexible and modular, making the sterilization process ever-simpler, more practical and efficient.

1 Pure 100

The Pure 100 resin demineraliser consists of two ion exchange resin cartridges. This system eliminates the ions that contaminate mains water, allowing high quality demineralised water to be produced. The system is fully controlled by the sterilizer, which tells the operator when the cartridges need replacing; replacement is completed in a few short, simple steps.

2 Pure 500

The Pure 500 reverse osmosis demineraliser is an ecological system that ensures, cycle after cycle, a proper supply of demineralised water to Mocom autoclaves. Passing the mains water through an osmotic membrane eliminates both organic and inorganic substances, resulting in water that is perfect for sterilization. The autoclave has a visual/acoustic warning system that tells the operator when it is necessary to change filters, thus ensuring constant, optimal demineraliser performance.

3 External printer

Connected to the B Futura and B Classic sterilizers via an RS232 serial port, it allows executed cycle data to be printed on rolls of thermal paper or labels.
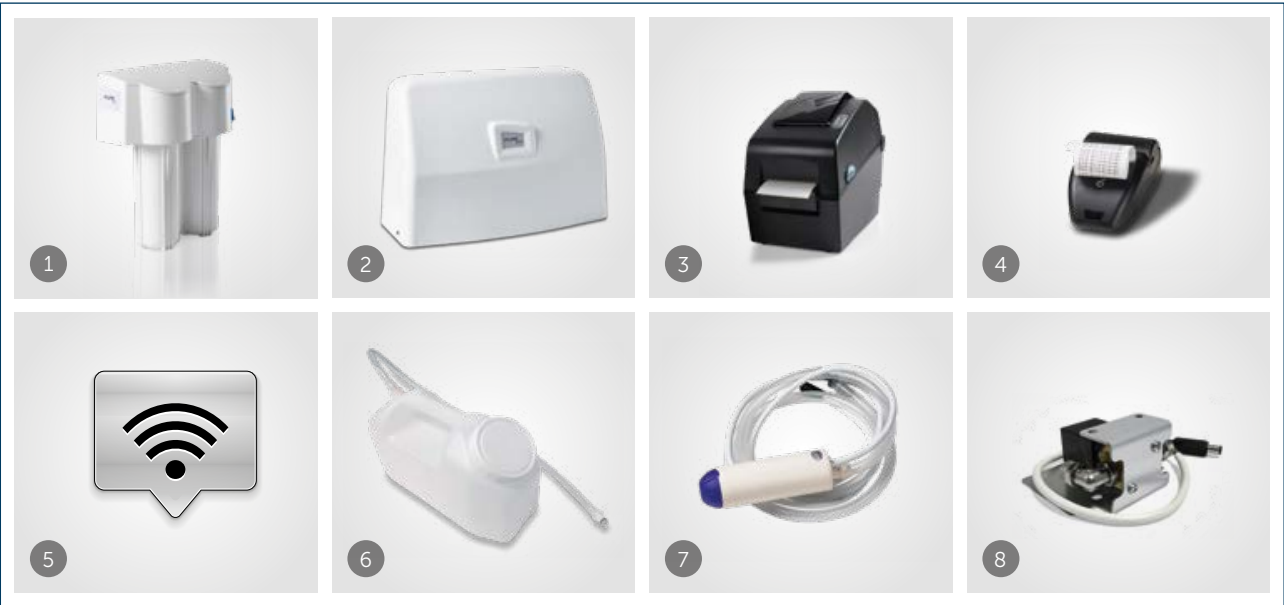
4 External Bar Code Printer

Specially designed for Futura autoclaves, this printer produces automatic-peel code labels to ensure cycle traceability.

5 Wi-Fi module

The Wi-Fi module allows real-time transmission of cycle data and cycle progress information to a PC or tablet; it also allows reports on executed cycles to be downloaded.

6 Front filling kit

This kit allows the sterilizer to be filled frontally via a quick coupling.

7 Automatic filling kit

Consists of an external pump powered by the sterilizer, allows demineralised water to be withdrawn from a tank or recipient.

8 SV aux kit

This kit allows the sterilizer to be interfaced with surgery demineralising systems so the sterilizer only draws water from the system as and when necessary.

Pure demineralisers

Technical data	Pure 100	Pure 500
Water input	Mains water	Mains water
Water output (conductivity)	< 15 µS/cm	< 15 µS/cm
Distilled water output (inlet water conductivity approx. 350 µS/cm)	120 litres	800 litres
Min. and max. mains water pressure	1-5 bar	1-5 bar
Min. and max. mains water temperature	+5 °C ÷ +40 °C	+5 °C ÷ +40 °C
Dimensions LxHxD	366 x 365 x 143 mm	461 x 328 x 206 mm
Weight	3.5 kg	5.5 kg

Accessory Compatibility

Accessories	B Futura	B Classic
Pure 100	o	o
Pure 500	o	o
Automatic filling kit	o	o
Front filling kit	o	o
SV aux kit	o	o
External printer	o	o
Barcode printer	o	–
Wi-Fi module	o	–

o = optional
– = not available

Technical data.

Technical data	B Futura 17	B Futura 22	B Futura 28	B Classic 17	B Classic 22	B Classic 28
Power supply	220/240 V 50Hz 220/230 V 60Hz 120 V 60Hz					
Rated power	2300 W 1440 W (120 V - 60Hz)					
External dimensions LxHxD	480 x 500 x 600 mm					
Chamber dimensions Diam.x Depth	250 x 350 mm	250 x 450 mm	280 x 450 mm	250 x 350 mm	250 x 450 mm	280 x 450 mm
Total weight	51 kg	56 kg	60 kg	49 kg	54 kg	58 kg
Tank capacity	4.5 litres					
Autonomy	from 7 to 11 cycles	from 6 to 10 cycles	from 5 to 9 cycles	from 7 to 11 cycles	from 6 to 10 cycles	from 5 to 9 cycles

Sterilization cycles 220/240 V

CYCLE	Cycle type	Sterilization time	B Futura 17	B Futura 22	B Futura 28	B Classic 17	B Classic 22	B Classic 28	Drying*
		(min.)	Cycle times including sterilization times, net of drying time (min.)						
134 °C UNIVERSAL	B	4	32	36	41	37	40	44	9 - 14
121 °C UNIVERSAL	B	20	45	49	54	49	53	58	9 - 14
134 °C UNPACKED HOLLOW INSTRUMENTS	S	4	32	35	41	35	37	44	3 - 6
134 °C PACKED SOLID INSTRUMENTS	S	4	18	20	24	20	22	26	9 - 14
134 °C PRION	B	18	46	50	55	51	54	58	9 - 14
xxx °C CUSTOM	S	Cycle can be personalised by user at temperatures 134 °C / 121 °C, process times starting from 4' (134 °C) or 20' (121 °C) with adjustable drying							
VACUUM TEST	TEST	18	18	19	19	19	20		
HELIX/B&D TEST	TEST	20	24	28	23	26	30		
VACUUM + HELIX/B&D TEST (executed in sequence)	TEST	42	46	51	48	49	56		

* Drying varies according to machine model and volume.
Note: times do not take the max. pre-heating time into account (10 min.).
Note: times may vary depending on the load and power supply.
Note: 120 V model times may undergo increments up to a max. of 25%.

Equipment provided	B Futura	B Classic
USB Port	●	●
Ethernet (RJ 45 port)	●	–
Serial port (RS 232)	●	●
Dust filter	●	●
Bacteriological filter	●	●
LED lighting	●	–
Trays	5 for 17 and 22-litre models 6 for the 28-litre model	5 for 17 and 22-litre models 6 for the 28-litre model
Tray extractor	●	●
Tray support	●	●

● = as standard
– = unavailable