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B Futura and B Classic.
The curtain goes up on reliability.

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Mocom: the art of sterilization.

For over twenty-five years Mocom's business has been sterilization and nothing but sterilization. That's why our products are totally safe, reliable and cutting-edge. A key player in the development of the sterilization industry, Mocom is focusing exclusively on the design and production of user-friendly systems that provide consistently outstanding performances. This approach ensures we're always able to provide fast, up-to-date responses to customers changing needs.

The factors that set us apart, in terms of both skill and innovation, are conscientious attention to the choice of materials, advanced technology, enforcement of strict production and quality control protocols and the wealth of experience accumulated by our qualified, specialised sterilization system designers. These winning features ensure we provide sophisticated products that not only satisfy market needs but also stay one step ahead of them.

Mocom means sterilization. Hygiene is our vocation, the raison d'être of our products, all of which are designed to safeguard patient wellbeing and smooth the workflow for health workers. Yet Mocom is also much more. Product quality is supported by an efficient after sales service that ensures the fast supply of spare parts and accessories and provides complete easy-to-understand equipment installation and maintenance manuals, with international assistance centres at your disposal. Today, all these factors have made us one of the world's leading producers of sterilization units.

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High quality production, ensured by thorough certification and approval standards, such as:

- ISO 9001/ISO 13485 Quality System applied to Medical Devices
- CE 0051 EC Medical Directive Marking

Production complies with the following standards:

- Medical Device Directive 93/42/EEC (and subsequent amendments)
- Electromagnetic Compatibility Directive 2004/108/EC
- Low Voltage Directive 2006/95/EC
- EN 13060 Small steam sterilizers
- EN 61010-1 Safety requirements for electrical equipment for laboratory use
- EN 61010-2-040 Particular safety requirements for sterilizers.

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B Futura and B Classic: a harmonious duet.

Unique experience and professionalism have now resulted in the development of the **B Futura** and **B Classic**: safe, high-performance sterilizers that ensure user-friendliness, efficient consumption and rapid execution of cycles.

Together, they provide a harmonious duet of outstanding performance and unmatched reliability, letting you dedicate more time to your work.

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B FUTURA puts on a fantastic sterilizing performance. Specifically designed for the most technologically demanding users, it offers outstanding innovation and user-friendliness. Its avant-garde systems have been designed to offer intuitive immediacy, with the modern **touch-screen** perfectly embodying what we call "evolved simplicity".

B CLASSIC is a masterpiece, designed to smooth and speed up the user's workflow: intensive lab testing, with top-quality materials and outstanding programme practicality making this product the new sterilization industry benchmark.

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B Futura: Mocom's finest performance.

B Futura is an 'intelligent' sterilizer, destined to be an indispensable work tool. Only years of research and experience can produce such an exceptional result: a high performance, user-friendly product.

The new B Futura sterilizer offers even faster, excellent performance, has an easy to use interface and allows full traceability of each sterilization cycle.

Three versions, 17, 22 and 28-litres, are available (all have the same overall machine dimensions), each of them **featuring a colour touch-screen LCD display**.

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A standing ovation in praise of real class.

Thanks to this evoluted control system, the B Futura offers immediate cycle selection and execution.

The **new colour touch-screen display** features clear, easy-to-understand icons that identify machine functions and operating statuses.

Cycles menu

Sterilization cycles can be selected quickly and directly via the programme-associated icons on the **touch-screen**. The display also allows the user to select the language, manage users and personalise the sterilizer exactly as desired.

Delayed start

Designed to optimise the workflow, the B Futura sterilizer lets users programme sterilization and test cycle start times to take advantage of lower electricity costs at certain times of the day; this feature can also be used to prevent any overloading of electrical systems caused by simultaneous use of several devices or simply to have the sterilizer ready at the start of the next working day.

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The curtain goes up on safety.

Thanks to latest-generation electronics, the B Futura sterilizer guarantees excellent versatility when it comes to data management and secure traceability of the sterilization process, allowing trouble-free management of work in full compliance with strict standards and professional ethics.

Traceability

The advanced user management system allows - following entry of a personal ID code - identification of users for the purposes of traceability and post-cycle parametric release of material. All executed sterilization processes are recorded, thus providing a further guarantee of conformity and reliable performance.

Wi-Fi



The sterilizer records all data regarding executed cycles on an internal memory. Users can download them (in pdf format) onto a PC via a USB, Ethernet or Wi-Fi (optional) connection. Moreover, the Wi-Fi module lets users transmit cycle data and current cycle status to a tablet or smartphone, thus providing completely secure remote monitoring.

Printing

Connection to a dedicated printer provides the user, at the end of the sterilization cycle, with a paper copy of the relative parameters. Users can also produce bar code labels to identify sterilized materials.

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The secrets of success.

The new series of sterilizers has been designed to be flexible and modular. This goal has been achieved thanks to the utilisation of lab-tested components (electronic control unit, door locking system, vacuum pumps, manifold/electrovalves units, various types of sensors) and top quality materials (stainless steel, corrosion-proof aluminium, heat and stress-resistant plastics).

This is explained in further detail below.

Latest features.

Plug & Play

This new function makes it possible to choose B Futura accessories even after the sterilizer has been purchased and is already in use: accessories can be added without having to invest in software or any special adapter.

The **new steam generator and high performance double-head vacuum pump** ensure extremely fast cycle execution and unparalleled quality and stability of process parameters.

The **sterilization chamber** is fully made of electro-polished stainless steel to ensure outstanding quality and durability.

The **new door locking mechanism** has been designed to ensure safety and simplicity of use; it also allows emergency recovery of the load in the event of a power supply failure.

Water feed and connection to the water supply.

To ensure ever-more automatic control of water feed we've focussed our efforts on versatility and practicality. The fill- drain reservoirs, which feature large doors, are easy to access, inspect and sanitise.

A **built-in conductivity sensor** inside the fill tank, together with an effective warning message and alarm system, automatically ensures the quality of the distilled water in use. If the water is of unsuitable quality, the sterilizer informs the user with appropriate messages and prevents the use to avoid damage risks.

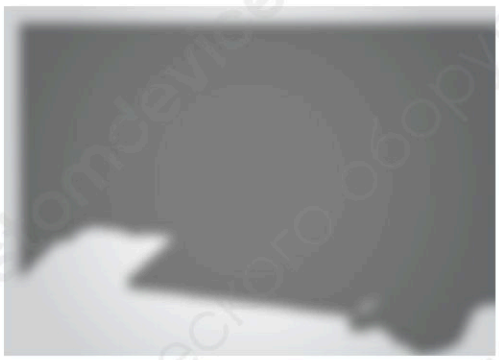
All sterilizers are equipped with **manual water filling and draining** by means of quick couplings. Sterilizers can also be equipped with an **automatic feed system** that withdraws demineralised water from an external tank. To make water feed even simpler and more efficient, the sterilizer can be connected directly to a demineraliser (with ion-exchange resin cartridges or a reverse osmosis system).



Ergonomics.

The frontal section of the B Futura sterilizer features a **LED light bar**: this ensures the work area in front of the sterilization chamber is lit perfectly without any areas of shade.

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Hygiene.

The **anti-dust filter** traps any impurities in the cooling air and protects the sterilizer interior and steam condensation system.



Guaranteed long-lasting efficiency.

The **LCD display** on the sterilizer immediately informs the user when it is necessary to proceed with simple scheduled maintenance tasks.



Remote assistance.

The new connectivity system allows technical service staff to manage requests for assistance remotely and thus respond to them immediately. So whatever the time or place, efficient, prompt service is guaranteed.

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B Classic: an assured success.

The B Classic was designed to make work easier by optimising times and costs. Exceptional quality and practicality ensure exceptional safety and reliability.

Easy to use, the B Classic provides full traceability of every single sterilization cycle.

While three sterilization chamber sizes are available (17, 22 and 28 litres) **the external dimensions remain the same for all the volumes**; moreover, all versions **feature a monochromatic LCD display** and keypad.

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A star is born.

Careful design and optimisation of all components make the B Classic sterilizer ideal for those requiring easy, safe reliable sterilization procedures.

To allow fast identification of users with regard to executed cycles, the B Classic sterilizer can be managed using an **ID PIN system**. Once the cycle has been completed, the B Classic records the **data** on the internal memory in pdf format. The saved data can subsequently be downloaded onto a PC via a standard USB memory device.



High-grade performance, in terms of both cycle execution speed and thermodynamic parameter quality, is ensured by the **new steam generator and double-head vacuum pump**.

The **electro-polished stainless steel** sterilization chamber ensures outstanding quality, together with even longer-lasting durability.

Like the others, this model adopts the new safe and simple **door locking mechanism** which ensures the load can be recovered in the event of a power failure.

Monitored device management.



The **anti-dust filter** traps impurities in the cooling air and protects the sterilizer interior and steam condensation system.

Lastly, thanks to the information on the LCD display, the user is immediately informed as soon as simple **scheduled maintenance tasks** become necessary: a solution that ensures excellent, long-lasting sterilizer performance and reliability.

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Water feed and connection to the water supply.

The water feed system is now even more practical and versatile thanks to full **automatism** provided by the water level sensors. The filling/draining tanks feature large doors to make access, inspection and sanitisation easy.

The quality of the distilled water being used is guaranteed by the **conductivity sensor incorporated in the tank** and an efficient warning message/alarm system. If the water is of unsuitable quality, the sterilizer informs the user with appropriate messages and prevents the use to avoid damage risks.



The **quick coupling system** for water filling and draining on the front section of the sterilizer simplifies and speeds up the relevant tasks. And that's not all: it is also possible to equip the sterilizer with an **automatic filling system** that withdraws water from an external tank. The B Classic can also be connected to a demineraliser (with ion-exchange resins or reverse osmosis) to make the water supply even more efficient.

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Plug & Play

B Classic accessories have been designed so the sterilizer can be configured according to user-specific needs at any time. Accessories can also be installed even if the machine is already in use as they can be integrated smoothly without any need for special software or adapters.

Assistance.

Our machines are reliable and safe because our technicians are trained to levels of excellence. Thanks to the know-how that sets us apart from the rest we're able to offer a comprehensive, fast after-sales assistance service which is at your constant disposal.

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The instruments in the Mocom orchestra.

New needs arise in the workplace constantly. That's why Mocom offers you a comprehensive range of innovative accessories that can be connected to your sterilizer at any time. Both the B Futura and B Classic combine full flexibility and modularity with utmost simplicity. And, furthermore, whatever the accessory you require, you won't have to invest in any extra component.

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 cartridges can be replaced in just a few, simple steps.

2 **Pure 500**

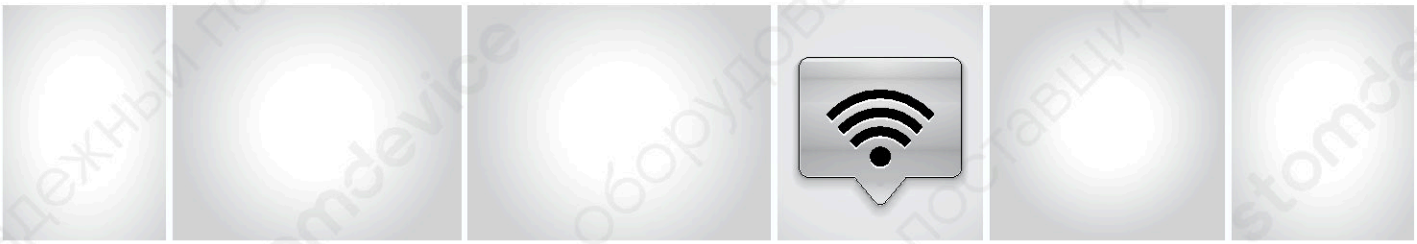
The Pure 500 reverse osmosis demineraliser is an ecological system that ensures, cycle after cycle, the correct supply of demineralised water to Mocom autoclaves. Passing the mains water through an osmotic membrane eliminates both organic and inorganic substances, resulting in water that is perfect for sterilization.

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 to +40°C	+5°C to +40°C
Dimensions LxHxD	366 x 365 x 143 mm	461 x 328 x 206 mm
Weight	3,5 kg	5,5 kg

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Accessories



1 2 3 4 5 6 7

3 External bar code printer
Specially designed for Futura autoclaves, this printer produces automatic-peel self-adhesive bar code labels to ensure cycle traceability.

4 External printer
Connected to the B Futura and B Classic sterilizers via an RS232 serial port; allows executed cycle data to be printed off on rolls of thermal paper or labels.

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. Useful in situations where filling from above is difficult

7 Automatic filling kit
Consists of an external pump powered by the sterilizer, allows demineralised water to be withdrawn from a tank or recipient. Alternatively, a kit with solenoid valve for connection to an independent external demineraliser is available.

Accessories	B Futura	B Classic
Pure 100	o	o
Pure 500	o	o
Automatic filling kit	o	o
Front filling kit	o	o
External printer	o	o
External bar code printer	o	–
Wi-Fi module	o	–

o = optional

– = unavailable

Mocom in tune with your needs.

Cutting-edge technology ensure Mocom sterilizers are high-performance, safe and reliable. Thanks to fast, effective cycles you can enjoy peace of mind and dedicate more time to your work.

Sterilization cycles

CYCLE	Cycle type	Sterilization time	B Futura 17	B Futura 22	B Futura 28	B Classic 17	B Classic 22	B Classic 28
		(min)	Overall cycle times including drying (min.)					
134°C UNIVERSAL	B	4	31	36	45	37	41	48
121°C UNIVERSAL	B	20	46	51	60	52	56	63
134°C UNWRAPPED HOLLOW INSTRUMENTS	S	4	24	28	36	28	32	39
134°C WRAPPED SOLID INSTRUMENTS	S	4	24	28	36	30	32	39
134°C PRION	B	18	45	50	59	51	55	62
xxx° C CUSTOM	Cycle can be personalised by user with temperatures 134°C / 121°C and process times starting from 4' (134°C) to 20' (121°C) and settable drying							
VACUUM TEST	TEST		18	18	19	21	19	22
HELIX/B&D TEST	TEST		20	22	26	23	24	28
VACUUM + HELIX/B&D TEST (executed in sequence)	TEST		44	46	51	50	49	56

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Technical data	B Futura 17	B Futura 22	B Futura 28	B Classic 17	B Classic 22	B Classic 28
Power supply voltage	220/240 V					
Mains frequency	50/60 Hz					
Rated power	2300 W					
External dimensions WxHxD	480 x 500 x 600 mm					
Chamber dimensions dxD	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
Sterilizable load*	6 kg	7,5 kg	9 kg	6 kg	7,5 kg	9 kg

* Maximum value refers to solid non-wrapped material.

Equipment provided	B Futura	B Classic
USB port	●	●
Ethernet (RJ 45 port)	●	–
Serial port (RS 232)	●	●
Anti-dust filter	●	●
Bacteriological filter	●	●
LED lighting	●	–
Trays	5 for 17 and 22 models, 6 for the 28 model	3 for the 17 model 5 for the 22 model 6 for the 28 model
Tray extractor	●	●
Tray support	●	●

● = standard

– = unavailable

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