

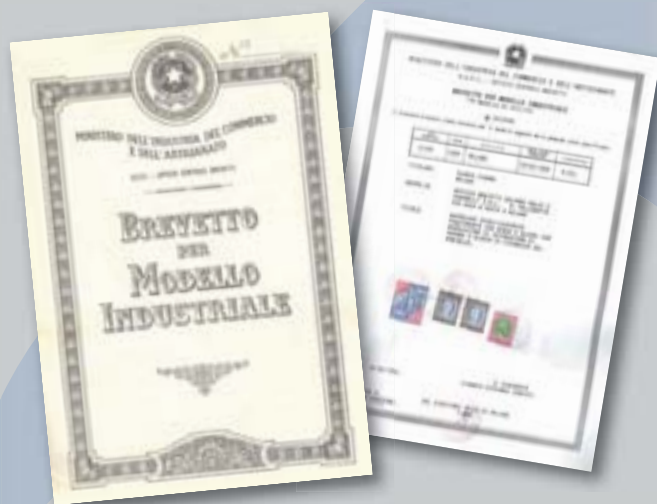
COMINOX.
SAFETY.
TECHNOLOGY.
DESIGN.



25
Y E A R S



COMINOX. 25 YEARS OF SAFE STERILIZATION.

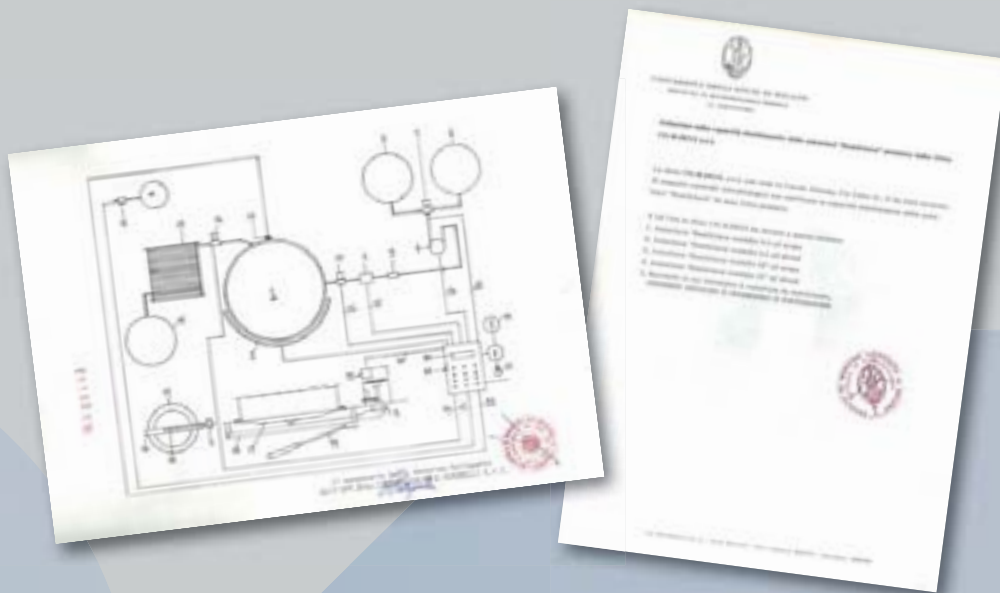


Ability and passion – these are two basic elements, but there is more; commitment, investments, research and development round out this set of tools, the basis for the company's growth that has been taking place since its beginning and continues with the passing of the years.

The challenge is to bring the safety of regulated and cutting edge sterilization to the offices of doctors, dentists and all those who use sanitary instruments. And this challenge is faced daily and met with top-quality ideas and careful manufacturing.

This is a story that began in **1984**, with the synthesis of the experience of IME – the company out of which Cominox was born which specializes in creating electromechanical equipment – and the application of this ability to sterilization.





Small devices, among the first manufactured in Italy, that use pressure steam technology. The trade shows in this sector began to give breath and visibility to this product whose technology was already highly regarded abroad. The process's value was recognized by a study from the Microbiology Institute at the University of Milan's Faculty of Medicine, and in **1986** a patented model was created that enables sterilization using steam as well as ethyl alcohol vapour.



In **1989** the technology of excellence in the electromechanical field joined together with electronics, and a microprocessor was added to in the sterilizer with the task of generating continuous feedback on the processes. The goal is still to have small sterilizers play a key role among doctors' and dentists' instruments, nearing the quality and effectiveness of big sterilizers used in hospitals.

In **1990** SterilClave Cominox already applied a technology that allowed it to pass "big" sterilizer tests (Bowie & Dick). In **1995** the outcome of a new project allowed the company to introduce – first on the small sterilizer market – a product equipped with a vacuum pump able to remove air using a fractionated vacuum process. The first model with type-B sterilization cycles was then launched, creating new opportunities for commercial development.

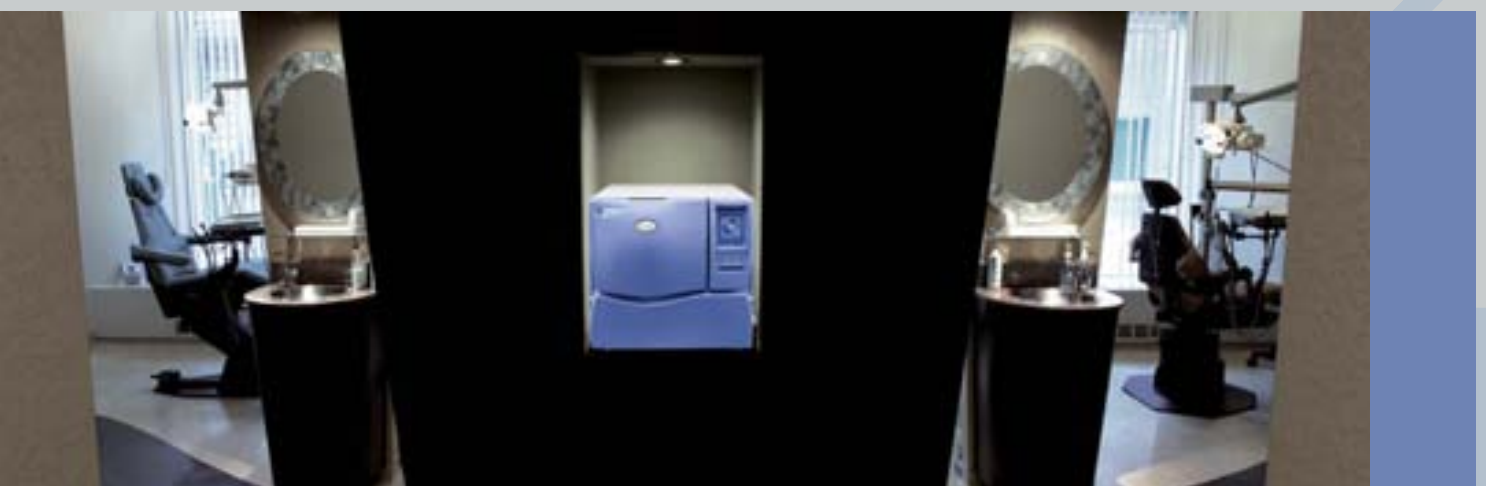


Following its successes and the visibility it gained, in **1996** the company began to participate in the work of the WG 5 work group of the TC 102 Technical Commission of CEN, the European Committee for Standardization, to prepare new European regulations for small sterilizers (the future UNI EN 13060), becoming an expert member delegated by UNI (the Italian Organization for Standardization) for Italy in **1999**.

In the meantime, product development did not stop. Two fundamental innovations of **1997** – the introduction of a model with a steam generator for a fast sterilization process and the system for monitoring the machine and the function of the individual parts through dedicated software – would, over time, lead to the making of the remote control.

In **2001** the company took another important step in its growth, with the creation of the Cominox design. The sterilizers were given a soft outward appearance, featuring a decidedly exclusive wisteria purple colour that gave the product a stronger, more elegant personality; this was met with extraordinary success on the international market. The product increased its functionality with the printer for sterilization process reports, integrated and “hidden” in the machine’s new design.

The growing success was accompanied by the introduction of new technologies. In **2006** the Cominox Wizard was introduced. This system allows remote check-ups and technical assistance for the sterilizers. And here we are today, with the launch of the new SterilClave 6 B SPEEDY, a small gem that defines new standards in terms of compactness in size and speed in the sterilization process. Finally, in the fall of **2008**, Cominox obtained the IMQ UNI 13060 mark on its sterilizers, the first and only Italian company to do so.



Energized by a sincere passion for excellence in sterilization and by a great determination towards development, Cominox has succeeded, with its continuous work since **1984** in achieving very important goals. Today **26** countries on **4** continents distribute the company's products, with a constant increase in demand motivated not only by the quality of its products but also by the great ability and professionalism of the people who represent the company.

Cominox, therefore, is celebrating **25** years of business activity, proud of its past and, along with its team, looking towards a future rich in new opportunities.



COMINOX and the IME GROUP.

Cominox S.r.l. is part of the IME Group, a group of companies that includes:

IME S.r.l., manufacturer for more than thirty-five years of industrial dishwashers;

MESS S.r.l., which for more than forty years has been making electric motors for industrial applications of different types and sizes;

IME Sinterizzati S.r.l., which for ten years has been making sintered products for different applications.

Each company in the Group uses independent operating structures, both productive and commercial, and technologically state-of-the-art manufacturing plants.

The Group's source of pride is the new IME factory of Mariano where all the steel-making is done for the Group's products (dishwashers and autoclaves), a plant that uses some of the most modern and advanced cutting, bending and soldering machines, resulting in the highest quality content in manufacturing.

Today, the IME Group numbers a total of approximately **160** employees who have generated a total sales of approximately **25** million euro in **2008**, distributing its products on the markets of **48** countries around the world.



SAFETY. MANY KNOW THE RULES. WE HELP CREATE THEM.

The procedures for sterilization, which are governed by international commissions, are rigorous. While many manufacturers follow them, Cominox® makes a direct contribution to defining them, because forward thinking is a key element of its corporate philosophy. Cominox's experience has allowed it to participate since 1996 in the WG5 working group of the TC 102 Technical Commission of the European Committee for Standardization, which is responsible for formulating the EN 13060 norm for small steam sterilizers. The company's involvement in this effort is reflected in the rigorous control of all phases of manufacturing, quality of instruments used, careful selection of personnel and sophisticated testing. It is this process that allows the company to provide, for example, a 10-year guarantee on the sterilizing chamber. At Cominox, patient safety is our motto.

TECHNOLOGY. QUALITY STERILIZATION. A COMINOX® RECORD.

In the medical field, the sterilization of instruments and work areas is of paramount importance. It is a process that must be carried out in accordance with the most rigorous safety and hygiene standards, using equipment guaranteed by the total quality of all its components. It was Cominox® that introduced this concept in Italy and applied it to small steam sterilizers. The company's high-technology products are designed and manufactured following the processes outlined in a Quality Management System certified according to ISO 9001 and ISO 13485. The constant pursuit of total quality has always been the cornerstone of Cominox's business philosophy, and 25 years of operation in the sector have given the company an unrivalled wealth of experience.

DESIGN. QUALITY YOU CAN SEE.

Cominox® offers quality you can see, perceive, touch. Some call it beauty. We prefer to call it ergonomics, or rather, perfect harmony between form and function. Safety means being able to act quickly through clear and accessible commands, with all the right details in the right place. And with safety comes peace of mind, provided by a design that, by exalting technology, reveals its efficiency. Cominox® steam sterilizers thus become decorative objects that, in addition to being an important component of a hospital's equipment, also increase its aesthetic appeal.





STERILCLAVE®.

A RANGE FOR ALL THE DEMANDS OF SPACE AND FUNCTION.

The SterilClave® range is the result of 25 years of experience in the sterilization field. Each device is designed and manufactured to comply with the EN 13060 standard and guarantees performance that exceeds the current requirements of the medical field. Complete sterilization is ensured by a pulse vacuum cycle that is monitored by a process evaluation system and can be used for solid and hollow (type A and B) instruments and porous loads (fabrics), wrapped or unwrapped. The different sizes – 24, 18 or 6– allow you to choose the steam sterilizer that best suits your work and space requirements. SterilClave offers safety that can be tailored to your individual needs.



STERILCLAVE® 6



STERILCLAVE® 18



STERILCLAVE® 24



AS EASY AS PUSHING A BUTTON.

Clear and simple commands are an essential part of a safety system that is sophisticated yet easy to use. For this reason we have equipped **our** SterilClave with a full **graphic display** that makes it possible to view and control all the parameters of the cycle in progress, with only four buttons to navigate through the many **expected** functions: cycle selection, programmed start, automatic water fill, auto shut off, activation of the printer or storage of cycle data on SterilCard.

For every need for **direct control or archiving** of data, we have created two versions for each SterilClave model (**6, 18 and 24**) based on the needs of the user: the **Print (P)** version with the classic integrated data printer and the **Card (C)** version that **includes no.2 SterilCard** and the dedicated software CominoxReader, **that allows the transmission of sterilization data on a computer.**

The latest feature introduced **on the “large” SterilClaves 18 and 24 BHD** is the automatic water fill option; the user can choose whether to have the water filled **directly** by an external can or **by the normal water network** through a demineralisation system.

And the **brand new** model SterilClave 6 B SPEEDY®, a source of pride in the Cominox product range, features an extremely compact size and a surprising cycle speed: sterile hand pieces in 10 minutes and a complete drying cycle in less than 30 minutes! Moreover, the SterilClave 6 B SPEEDY was designed with a new easy to use and completely innovative ergonomic opening, produced with the simple touch of a button.

With Cominox, safety is truly within your reach.



CYCLE B, THE VACUUM PUMP MAKES IT POSSIBLE TO STERILIZE EVERY KIND OF LOAD.

STERILCLAVE® 6 B SPEEDY



STERILCLAVE 6 B SPEEDY

- Efficient square sterilization chamber
- Independent steam generator
- Compact size, 385 x 370 x 535 mm (W x H x D), limited weight (45 Kg)
- Minimum cycle time: 10 minutes (134 Handpieces cycle)
- Minimum B cycle time, including drying: 28 minutes
- Convenient and ergonomic opening button
- Load capacity: 2 wide size trays, 180 x 280 mm (W x D)
- Large graphic display with 4 control buttons
- Six predefined cycles: 2 type N cycles, 1 type S cycle and 3 type B cycles
- 2 test cycles: Bowie & Dick Test and Vacuum Test
- Special user-programmable cycle, accessible through an access code or SterilCard® (optional)
- Print version available with built-in data printer
- Card version available with SterilCard® for user recognition and CominoxReader software to store cycles on a computer
- Manual or automatic water fill (optional) and continuous direct drain
- Serial port for data transmission

Solid, hollow, porous, wrapped or not: all the instruments and materials in a medical, dental or health environment can be sterilized with this process, that guarantees the quality of the sterilization on the most different types of instruments and in the most complex situations.

With the compactness and speed of SterilClave 6 B SPEEDY, for greater flexibility and efficiency.



WATER SUPPLY TABLE

Dry residue	≤ 10 mg/l
Silicon oxide SiO ₂	≤ 1 mg/l
Iron	≤ 0,2 mg/l
Cadmium	≤ 0,005 mg/l
Lead	≤ 0,05 mg/l
Heavy metal residue (except iron, cadmium and lead)	≤ 0,1 mg/l
Chlorides	≤ 2 mg/l
Phosphates	≤ 0,5 mg/l
Conductivity (at 20 °C)	≤ 15 µs/cm
pH value	from 5 to 7.5
Appearance	colorless, transparent, without sediments
Hardness	≤ 0,02 mmol/l

TYPE TESTS ACCORDING TO EN 13060

	Sterilization cycles		
	N	S1	B
Air leakage (Vacuum Test)	•	•	•
Dynamic chamber		•	•
Empty chamber	•	•	•
Solid load - unwrapped	•	•	
Solid load - double wrapped			•
Small porous load, double wrapped			•
Full porous load, double wrapped			•
Hollow load A (Helix Test)			•
Dryness, solid load, double wrapped			•
Dryness, full porous load, double wrapped			•
Residual air	•	•	

	M.U.	B SPEEDY
Steam generation		independent generator
Support for 2 trays or 1 cassette		•
Trays included		2
Sterilization cycles		
121 UNWRAPPED		type N
134 UNWRAPPED		type N
134 DENTAL HANDPIECES		type S1
121 HOLLOW/POROUS		type B
134 HOLLOW/POROUS		type B
134 PRIONS		type B
Total maximum load weight		
Unwrapped solid loads	kg	3,5
Unwrapped dental handpieces		up to 8
Wrapped or unwrapped hollow loads	kg	1,7
Porous loads	kg	0,6
Chamber capacity	l	4,8
Clean water tank capacity	l	2,1
Water consumption per cycle (minimum - maximum)	cm ³	200 - 500
Maximum flow rate of discharge (direct)	cm ³ /s	30
Maximum temperature of discharge (direct)	°C	83
Absolute operating pressure (maximum)	kPa	331
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)
Maximum allowed voltage fluctuations	%	±10
Absorbed maximum power	W	1800
Heat emission	J/h	0,3
Detected noise level in work areas under suitable conditions (medium - peak)	dB(A) - dB(C)	55,7 - 62,7
Overall dimensions W x H x D	mm	385 x 370 x 535
Housing dimensions W x H x D	mm	390 x 375 x 505
Unit depth with door open	mm	690
Usable space dimensions W x H x D	mm	185 x 100 x 285
Weight (mass)	kg	45
Weight by support area with full tank and maximum load	kg/cm ²	0,96
Room temperature allowed	°C	from 15 to 40
Maximum relative humidity allowed	%	85
Maximum altitude allowed with standard safety valve	m s.n.m.	1500 (2000 with replacement of the valve)

• Standard equipment

Technical data are subject to change without notice

Warranty: 2 years or 1500 cycles

CYCLE B, THE VACUUM PUMP MAKES IT POSSIBLE TO STERILIZE EVERY KIND OF LOAD.

STERILCLAVE® 18 B-BHD



STERILCLAVE 18 B-BHD

- Double water fill option: from tank or mains water supply (including demineralization system - standard on BHD model)
- Continuous direct drain (standard on BHD model)
- Minimum N cycle time: 15 minutes
- Minimum B cycle time including drying: 48 minutes
- Load capacity: up to 5 wide size trays, 180 x 280 mm (W x D)
- Large graphic display with 4 control buttons
- Six predefined cycles: 2 type N cycles, 1 type S cycle and 3 type B cycles
- 2 test cycles: Bowie & Dick Test and Vacuum Test
- Special user-programmable cycle, accessible through an access code or SterilCard® (optional)
- Print version available with built-in data printer
- Card version available with SterilCard® for user recognition and CominoxReader software to store cycles on a computer
- Serial port for data transmission

Solid, hollow, porous, wrapped or not: all the instruments and materials in a medical, dental or health environment can be sterilized with this process, that guarantees the quality of the sterilization on the most different types of instruments and in the most complex situations.

Large capacity for mixed loads, with the guaranteed safety of Cominox technology.

STERILCARE

Specific detergent

for autoclave cleaning



WATER SUPPLY TABLE

Dry residue	≤ 10 mg/l
Silicon oxide SiO ₂	≤ 1 mg/l
Iron	≤ 0,2 mg/l
Cadmium	≤ 0,005 mg/l
Lead	≤ 0,05 mg/l
Heavy metal residue (except iron, cadmium and lead)	≤ 0,1 mg/l
Chlorides	≤ 2 mg/l
Phosphates	≤ 0,5 mg/l
Conductivity (at 20 °C)	≤ 15 µs/cm
pH value	from 5 to 7.5
Appearance	colorless, transparance, without sediments
Hardness	≤ 0,02 mmol/l

TYPE TESTS ACCORDING TO EN 13060

	Sterilization cycles		
	N	S1	B
Air leakage (Vacuum Test)	•	•	•
Dynamic chamber		•	•
Empty chamber	•	•	•
Solid load - unwrapped	•	•	
Solid load - single wrapped		•	
Solid load - double wrapped			•
Small porous load, double wrapped			•
Full porous load, double wrapped			•
Hollow load A (Helix Test)			•
Dryness, solid load, single wrapped		•	
Dryness, solid load, double wrapped			•
Dryness, full porous load, double wrapped			•
Residual air	•	•	

	M.U.	B-BHD
Steam generation		in chamber
Support for 5 trays or 3 cassettes		•
Trays included		3
Pouch holders		optional
Sterilization cycles		
121 UNWRAPPED		type N
134 UNWRAPPED		type N
134 WRAPPED		type S1
121 HOLLOW/POROUS		type B
134 HOLLOW/POROUS		type B
134 PRIONS		type B
Total maximum load weight		
Unwrapped solid loads	kg	5
Wrapped solid loads	kg	3
Wrapped or unwrapped hollow loads	kg	2,5
Porous loads	kg	1,5
Chamber capacity	l	17,15
Clean water tank capacity	l	2,1
Used water recycling tank capacity	l	2,1
Water consumption per cycle (minimum - maximum)	cm³	210 - 700
Maximum flow rate of discharge (direct)	cm³/s	30
Maximum temperature of discharge (direct)	°C	83
Absolute operating pressure (maximum)	kPa	331
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)
Maximum allowed voltage fluctuations	%	±10
Absorbed maximum power	W	2000
Heat emission	J/h	0,3
Detected noise level in work areas under suitable conditions (medium - peak)	dB(A) - dB(C)	55,7 - 62,7
Overall dimensions W x H x D	mm	445 x 390 x 640
Housing dimensions W x H x D	mm	450 x 395 x 560
Unit depth with door open	mm	880
Usable space dimensions W x H x D	mm	185 x 150 x 285
Weight (mass)	kg	51
Weight by support area with full tank and maximum load	kg/cm²	1,2
Room temperature allowed	°C	from 15 to 40
Maximum relative humidity allowed	%	85
Maximum altitude allowed with standard safety valve	m s.n.m.	1500 (2000 with replacement of the valve)

• Standard equipment

Technical data are subject to change without notice

Warranty: 2 years or 1500 cycles

CYCLE B, THE VACUUM PUMP MAKES IT POSSIBLE TO STERILIZE EVERY KIND OF LOAD.

STERILCLAVE® 24 B-BHD



STERILCLAVE 24 B-BHD

- Double water fill option: from tank or mains water supply (including demineralization system - standard on BHD model)
- Continuous direct drain (standard on BHD model)
- Minimum N cycle time: 18 minutes
- Minimum B cycle time including drying: 55 minutes
- Load capacity: up to 5 wide size trays, 180 x 380 mm (W x D)
- Large graphic display with 4 control buttons
- Six predefined cycles: 2 type N cycles, 1 type S cycle and 3 type B cycles
- 2 test cycles: Bowie & Dick Test and Vacuum Test
- Special user-programmable cycle, accessible through an access code or SterilCard® (optional)
- Print version available with built-in data printer
- Card version available with SterilCard® for user recognition and CominoxReader software to store cycles on a computer
- Serial port for data transmission

Solid, hollow, porous, wrapped or not: all the instruments and materials in a medical, dental or health environment can be sterilized with this process, that guarantees the quality of the sterilization on the most different types of instruments and in the most complex situations.

Large capacity for mixed loads, with the guaranteed safety of Cominox technology.



WATER SUPPLY TABLE

Dry residue	≤ 10 mg/l
Silicon oxide SiO ₂	≤ 1 mg/l
Iron	≤ 0,2 mg/l
Cadmium	≤ 0,005 mg/l
Lead	≤ 0,05 mg/l
Heavy metal residue (except iron, cadmium and lead)	≤ 0,1 mg/l
Chlorides	≤ 2 mg/l
Phosphates	≤ 0,5 mg/l
Conductivity (at 20 °C)	≤ 15 µs/cm
pH value	from 5 to 7.5
Appearance	colorless, transparent, without sediments
Hardness	≤ 0,02 mmol/l

TYPE TESTS ACCORDING TO EN 13060

	Sterilization cycles		
	N	S1	B
Air leakage (Vacuum Test)	•	•	•
Dynamic chamber		•	•
Empty chamber	•	•	•
Solid load - unwrapped	•	•	
Solid load - single wrapped		•	
Solid load - double wrapped			•
Small porous load, double wrapped			•
Full porous load, double wrapped			•
Hollow load A (Helix Test)			•
Dryness, solid load, single wrapped		•	
Dryness, solid load, double wrapped			•
Dryness, full porous load, double wrapped			•
Residual air	•	•	

	M.U.	B-BHD
Steam generation		in chamber
Support for 5 trays or 3 cassettes		•
Trays included		3
Pouch holders		optional
Sterilization cycles		
121 UNWRAPPED		type N
134 UNWRAPPED		type N
134 WRAPPED		type S1
121 HOLLOW/POROUS		type B
134 HOLLOW/POROUS		type B
134 PRIONS		type B
Total maximum load weight		
Unwrapped solid loads	kg	7,5
Wrapped solid loads	kg	4
Wrapped or unwrapped hollow loads	kg	3,7
Porous loads	kg	2,2
Chamber capacity	l	23,15
Clean water tank capacity	l	3,1
Used water recycling tank capacity	l	3,1
Water consumption per cycle (minimum - maximum)	cm ³	420 - 1190
Maximum flow rate of discharge (direct)	cm ³ /s	30
Maximum flow rate of discharge (direct)	°C	83
Absolute operating pressure (maximum)	kPa	331
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)
Maximum allowed voltage fluctuations	%	±10
Absorbed maximum power	W	2800
Heat emission	J/h	0,3
Detected noise level in work areas under suitable conditions (medium - peak)	dB(A) - dB(C)	56 - 63
Overall dimensions W x H x D	mm	445 x 470 x 700
Housing dimensions W x H x D	mm	450 x 475 x 620
Unit depth with door open	mm	940
Usable space dimensions W x H x D	mm	185 x 150 x 420
Weight (mass)	kg	68
Weight by support area with full tank and maximum load	kg/cm ²	1,63
Room temperature allowed	°C	from 15 to 40
Maximum relative humidity allowed	%	85
Maximum altitude allowed with standard safety valve	m s.n.m.	1500 (2000 with replacement of the valve)

• Standard equipment

Technical data are subject to change without notice

Warranty: 2 years or 1500 cycles

STERILCLAVE® 6 /18 S Dynamica



STERILCLAVE 6 S DYNAMICA / STERILCLAVE 18 S DYNAMICA

- Compact size, 385 x 370 x 535 mm (W x H x D), limited weight (38 Kg) (version 6 S Dynamica)
- Minimum N cycle time: 25 minutes for 6 S Dynamica and 17 minutes for 18 S Dynamica
- Minimum S cycle time including drying: 52 minutes for 6 S Dynamica and 45 minutes for 18 S Dynamica
- Convenient and ergonomic opening button (version 6 S Dynamica)
- Load capacity: 2 wide size trays, 180 x 280 mm (W x D) for 6 S Dynamica and up to 5 trays (same size) for 18 S Dynamica
- Large graphic display with 4 control buttons
- Six predefined cycles: 2 type N cycles and 4 type S cycles
- Bowie & Dick Test cycle
- Special user-programmable cycle, accessible through an access code or SterilCard® (optional)
- Print version available with built-in data printer
- Card version available with SterilCard® for user recognition and CominoxReader software to store cycles on a computer
- Manual or automatic water fill (optional) and continuous direct drain
- Serial port for data transmission

Solid, hollow, porous, small porous loads, wrapped or not: doctors, dentists and professional operators often have technical needs that are fully met by the class S sterilization system based on Cominox thermodynamic vacuum technology.

STERILCARE Specific detergent for autoclave cleaning



WATER SUPPLY TABLE

Dry residue	≤ 10 mg/l
Silicon oxide SiO ₂	≤ 1 mg/l
Iron	≤ 0,2 mg/l
Cadmium	≤ 0,005 mg/l
Lead	≤ 0,05 mg/l
Heavy metal residue (except iron, cadmium and lead)	≤ 0,1 mg/l
Chlorides	≤ 2 mg/l
Phosphates	≤ 0,5 mg/l
Conductivity (at 20 °C)	≤ 15 µs/cm
pH value	from 5 to 7.5
Appearance	colorless, transparent, without sediments
Hardness	≤ 0,02 mmol/l

PROVE DI TIPO SECONDO LA EN 13060

	Sterilization cycles		
	N	S1	S2
Dynamic chamber		•	•
Empty chamber	•	•	•
Solid load - unwrapped	•	•	•
Solid load - single wrapped		•	•
Small porous load, single wrapped			•
Hollow load B			•
Dryness, solid load, single wrapped		•	•
Dryness, small porous load, single wrapped			•
Residual air	•	•	•

	M.U.	6 S Dynamica	18 S Dynamica
Steam generation		in chamber	in chamber
Support for 5 trays or 3 cassettes		•	•
Trays included		2	3
Pouch holders		-	optional
Sterilization cycles			
121 UNWRAPPED		•	•
134 UNWRAPPED		•	•
134 WRAPPED		•	•
121 HOLLOW/POROUS		•	•
134 HOLLOW/POROUS		•	•
134 PRIONS		•	•
Total maximum load weight			
Unwrapped solid loads	kg	2,6	5
Wrapped solid loads	kg	1	1,5
Wrapped or unwrapped hollow loads	kg	1	1
Porous loads	kg	0,2	0,5
Chamber capacity	l	4,8	17,15
Clean water tank capacity	l	2,1	2,1
Water consumption per cycle (minimum - maximum)	cm ³	150 - 250	370 - 590
Maximum flow rate of discharge (direct)	cm ³ /s	30	30
Maximum temperature of discharge (direct)	°C	83	83
Absolute operating pressure (maximum)	kPa	331	331
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)	230 - 50 (single - phase AC)
Maximum allowed voltage fluctuations	%	±10	±10
Absorbed maximum power	W	1000	2000
Heat emission	J/h	0,3	0,3
Detected noise level in work areas under suitable conditions (medium - peak)	dB(A) - dB(C)	55,7 - 62,7	55,7 - 62,7
Overall dimensions W x H x D	mm	385 x 370 x 535	445 x 390 x 640
Housing dimensions W x H x D	mm	390 x 375 x 505	450 X 395 X 560
Unit depth with door open	mm	690	880
Usable space dimensions W x H x D	mm	185 x 100 x 285	185 x 150 x 285
Weight (mass)	kg	38	48,7
Weight by support area with full tank and maximum load	kg/cm ²	0,91	1,16
Room temperature allowed	°C	from 15 to 40	from 15 to 40
Maximum relative humidity allowed	%	85	85
Maximum altitude allowed with standard safety valve	m s.n.m.	1500 (2000 with replacement of the valve)	

• Standard equipment

Technical data are subject to change without notice

Warranty: 2 years or 1500 cycles

A COMPLETE SAFETY SYSTEM.

FLASH thermosealer



FLASH, thermosealer

- Ergonomic design
- Wall mountable
- Compact size
- Practical and easy to use
- Quick sealing
- Packing support (optional)



FLASH

	U.M.	
Packet tray		optional
Overall dimensions W x H x D	mm	445 x 220 x 330
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)
Absorbed maximum power	W	100
Seal width	mm	10
Seal length	mm	250
Seal duration	s	3
Weight (mass)	kg	5,2

Technical data are subject to change without notice

Cominox® has extended the concept of safety to all of its products that are complementary to small steam sterilizers. Technological innovation and quality apply to these products as well, including the Speedy Water demineraliser, the Discom distiller, the SoniClean ultrasound baths and the Flash thermosealer. Cominox's global, systematic approach to hygiene and sterilization is the strong point of its philosophy and indicates the company's strong and mindful commitment to all aspects of the medical field.

WRAPPING MATERIALS



FLAT POUCHES

Dimensions [mm]	Pieces per box
75 x 250	2000
75 x 300	2000
100 x 200	2000
100 x 250	2000
100 x 300	2000
150 x 200	1000
150 x 250	1000
150 x 300	1000
150 x 350	1000
150 x 400	1000
200 x 250	1000
200 x 300	1000
200 x 350	400
200 x 550	400

SELF-SEALING POUCHES

Dimensions [mm]	Pieces per box
60 x 100	200
75 x 250	200
90 x 165	200
90 x 250	200
140 x 260	200
190 x 330	200
190 x 400	200

Technical data are subject to change without notice

FLAT ROLLS

Width [mm]	Length [m]
50	200
75	200
100	200
150	200
200	200
250	200
300	200
350	200
400	200

PAPER ROLLS WITH GUSSETT

Width [mm]	Length [m]	Height [mm]
75	100	25
100	100	50
150	100	50
200	100	55
250	100	65
300	100	80
400	100	80

Technical data are subject to change without notice

SONICLEAN



SONICLEAN

- Available in two sizes, 3 and 6 liters, completely in stainless steel
- Lid and basket included
- Programmable timer from 0 to 30 minutes, with the possibility of continuous operation
- Programmable heater from 0°C to 80°C
- SWEEP function for the perfect ultrasound distribution in the cleaning liquid
- BOOST function to increase the ultrasound power by approx. 25 %
- DEGAS function for the efficient degassing of the cleaning liquid
- Quick drain system on the back, standard on SoniClean 6 model
- Durable and reliable
- Easy to clean

SONICLEAN

	M.U.	SoniClean 3	SoniClean 6
Tank capacity	l	2,75	5,75
Drain system			•
Lid		•	•
Basket		•	•
Becker holder		optional	optional
Becker		optional	optional
Tank internal dimensions W x H x D	mm	240 x 137 x 100	300 x 151 x 150
Basket internal dimensions W x H x D	mm	198 x 106 x 50	255 x 115 x 75
Unit external dimensions W x H x D	mm	300 x 179 x 214	365 x 186 x 264
Electrical voltage and frequency	V - Hz	230 - 50/60 (single-phase AC)	
Absorbed maximum power	W	280	550
Weight (mass)	kg	3,3	5,1
Ultrasonic frequency	kHz	37	

• Standard equipment

Technical data are subject to change without notice

SPEEDY WATER AND DISCOM demineralisation systems

- SPEEDY WATER, demineraliser
- Constant and automatic monitoring of water conductivity at two levels (15 and 30 µS/cm)
 - Compact
 - Simple to install
 - Easy maintenance thanks to the disposable purification unit



- DISCOM, water distiller
- Produces 100% distilled water
 - Auto shut-off
 - Easy to clean
 - Economical



SPEEDY WATER

	M.U.	
Flow rate	l/min	from 0,5 to 0,7
Overall dimensions W x H x D	mm	160 x 540 x180
Operating weight (mass)	kg	5,6
Tap water pressure	bar	from 1 to 4,5
Production capacity	l	300* => 1 year duration**

* Tap water conductivity equal to 650 µS/cm

** Daily average of 2.5 cycles

Technical data are subject to change without notice

DISCOM

	M.U.	
Distilled water production	l/h	0,57
Capacity	l	4
Overall dimensions Ø x H	mm	200 x 360
Electrical voltage and frequency	V - Hz	230 - 50 (single - phase AC)
Absorbed maximum power	W	580
Weight (mass)	kg	3,5

Technical data are subject to change without notice

CominoxWizard & CominoxReader



The CominoxReader program transfers the cycle and maintenance data saved on the SterilCard® directly into the electronic storage through the SterilCard PC Reader (optional).

CominoxReader allows the following:

- Direct transfer from the SterilCard to the PC of any maintenance and cycles performed, through the SterilCard PC Reader
- Storage of performed cycle and maintenance data
- Viewing and printing stored cycles in table or graph format.

The CominoxWizard monitoring program allows you to:

- Connect simultaneously one or more sterilizers to your computer
- See in real time the status of each SterilClave® connected
- View all data on the screen
- Check cycle graph in real time
- Store data of cycles and maintenance performed
- View at any time stored cycles and print data in table or graph format.

SterilClave is connected to a PC through the standard serial port located on the back of all sterilizer models. The SterilClave models also feature a cutting-edge multiple sterilizer connection through a local LAN network that allows management of multiple units from a single PC. This connection is available via a Serial-Ethernet network cable (optional) or a Serial-Wireless (optional).

The CominoxWizard KIT INCLUDES:

- User license and installation instructions
- User manual
- Installation CD-ROM
- USB security key
- Serial cable
- Serial-USB adapter

CominoxWizard ACCESSORIES

- SterilCard PC Reader
- Serial-Ethernet Module
- Serial-Wireless Module

The CominoxReader KIT INCLUDES:

- User license and installation instructions
- User manual
- Installation CD-ROM
- USB security key
- SterilCard PC Reader

CominoxWizard & CominoxReader

PC minimum requirements		M.U.
Processor		Pentium 4
Processor speed	GHz	1
RAM	MB	512
Disk space available	MB	50
Operating system		Windows XP / 2000
Screen resolution	pixel	1024 x 768
SterilClave dedicated ports		1 serial and 1 USB or 2 USB
SterilCard PC Reader dedicated ports		2 USB

STERILCARD

	M.U.	
Memory available	KB	64
Maximum cycles number		30

STERILCARD PC READER

	M.U.	
Interface		USB
Life span	cycles	200.000
Usage temperature	°C	between 0 and 50
Relative humidity	%	between 20 and 90
Dimensions	mm	65,5x75x13

SERIAL-ETHERNET MODULE

	M.U.	
Ethernet	Mbps	10/100
Interface		RS-232
Usage temperature	°C	between 0 and 50
Relative humidity	%	between 5 and 95
Dimensions	mm	75,2x80x43,3

SERIAL-WIRELESS MODULE

	M.U.	
Transmission speed	Mbps	11
Maximum transmission distance	m	100
Ethernet	Mbps	10/100
Interface		RS-232/422/485
Temperature of use	°C	between 0 and 55
Relative humidity	%	between 5 and 95
Dimensions without antenna	mm	100x111x26
Antenna length	mm	109

WHAT IS REQUIRED TO HAVE A SAFE STERILIZATION

STERILABEL



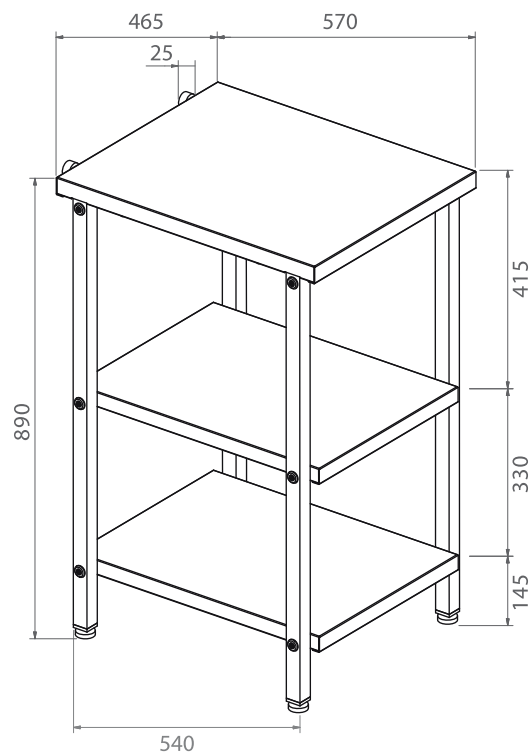
STERILABEL

- Labels thermal printer
- Pre-cut labels easy to use
- Opportunity to print to 100 labels with the just-completed-cycle information
- Expiry date setting of packing sterilized by Sterilclave display
- Simple and immediate use
- Silent and safe
- Compact and light (L 85mm – H 50mm – P 150mm)

Sterilization has an unique speaker: Cominox®. The wide range of fittings, which are specifically produced for Cominox products, permits to create a personalized security system with all the quality and innovative technical features guaranteed by Sterilclave® range.

Consumer goods like process chemical indicators and packing products are available, for a details-outreaching safety.

STERILTABLE



STERILTABLE

- Entirely produced in AISI 304 stainless steel
- Equipped with three shelves for SterilClave, Discom, Flash and packing materials
- Compact dimensions (L 465mm - H 890mm - P 570mm)

EVERYTHING YOU NEED FOR SAFE STERILIZATION

Sterilization has one spokesperson: Cominox®. The extensive array of accessories designed specifically for Cominox products allows you to develop your own custom safety system, with the quality and technological innovation guaranteed by the SterilClave® range.

The company offers consumable products as well, such as chemical process indicators and packaging products, for safety that extends to the details as well.

BOWIE & DICK TEST and HELIX TEST Process challenge devices



BOWIE & DICK TEST

	M.U.	
Overall dimensions W x H x D	mm	120 x 28 x 120
Weight (mass)	g	220±4
Room temperature allowed	°C	from 0 to 35
Relative humidity allowed	%	from 20 to 60
Pieces per box		20

Technical data are subject to change without notice

HELIX TEST

	M.U.	
Length	mm	1500
Internal diameter	mm	2
Chemical indicators per box		100

Technical data are subject to change without notice



UNI IMQ MARK.

Participation in the activities of the regulatory agencies that define the quality and safety standards in the sector does not exhaust Cominox's commitment to the search for the highest quality. In addition to keeping constantly and consistently up-to-date with respect to set standards, the company has conducted and continues to conduct research and development that places it at the avant-garde in the field of certifications.

This is clearly proven by the fact that COMINOX is the first company to obtain the **UNI IMQ MARK** on their steam sterilizers in accordance with **EN 13060**.

This mark certifies the complete conformity of COMINOX steam sterilizers with the standard EN13060 and ensures the highest standards of performance, reliability and safety. Works tests carried out on 100% of the marked production ensure rigorous inspection tests on **EVERY** marked SterilClave.



DIRECTIVES

97/23/CE Pressure equipment
93/42/CEE Medical devices (class IIa)
89/336/CEE Electromagnetic compatibility (and subsequent updates)
73/23/CEE Low voltage (and subsequent updates)

STANDARDS

EN 13060 Small steam sterilizers
EN 61010-1 Safety regulations for laboratory devices - Part 1: General regulations
EN 61010-2-040 Safety regulations specific to sterilizers used in the processing of medical material
EN 61326-1 Electromagnetic compatibility regulations for laboratory devices



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