

Professional sterilization systems



Newmed

Professional sterilization systems

Newmed was created to satisfy the needs of customers who demand safety, reliability and simplicity all in one sterilization instrument, and thanks to the experience, technology and research, we have been able to achieve this objective.



Newmed

IT IS JUST A QUESTION OF **TIME...**

MODELS

KRONOS B 15/23L

KRONOS B Speedy

KRONOS S 15/23L

KRONOS N 15/23L

ENERGY 15/23L





Kronos B
15-23



Kronos B
speedy



Kronos S e N
15-23



Energy
15-23

Kronos Autoclaves

fast sterilization

Newmed

Kronos B

15-23L

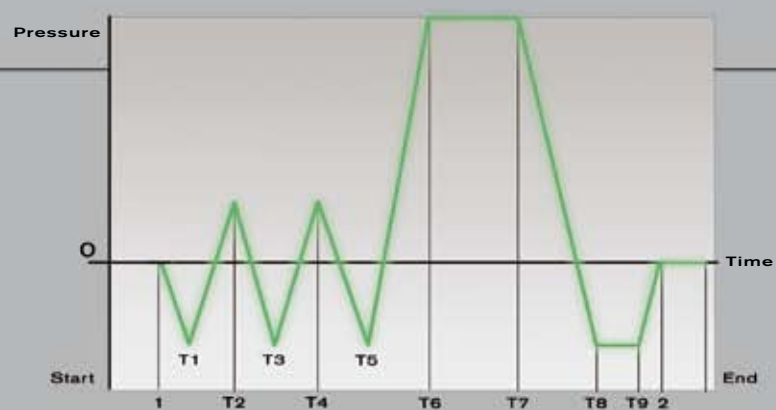


Fractionated Vacuum

Using a high-performance Double-stage Vacuum pump

COMPLETE GRAPHIC CYCLE

KRONOS B



KRONOS B 15/23L
STERILIZABLE PRODUCTS



SOLID INSTRUMENTS



HOLLOW INSTRUMENTS



WRAPPED INSTRUMENTS



POROUS LOADS

Kronos B

15-23L



Standard EN-13060



Motor-operated door closure

with triple-protection, guarantees better safety, greater ease of handling and automatic regulation of the door



Instantaneous Vaporizer

outside the chamber allowing higher sterilization speeds and reducing water consumption



Thermal printer

built into the machine to allow complete recording of the sterilization cycle. Ensures the user greater cycle control and easy archiving



Multi-language graphic display

easier for the operator to select the sterilization cycles, continuous control over the cycle phases and gives graphic indication of the errors committed by the operator.



Connection to your PC



Stainless steel chamber

Made of a thick moulded one-piece stainless steel



Connection to water demineralization system



FEATURES

ADVANTAGES

Motor-operated closure



+ ergonomics

Instantaneous vaporizer



+ speed & low consumption

Printer as standard



+ control

Filling with self-priming pump



+ practical

Graphic display



+ simple to use

Latest Software



+ automatic cycle & process self-control

Possibility of connection to PC



+ archiving

Provision for connection to water de-mineralizer and direct waste water drainage



+ handy

Electronic drying in vacuum



+ safety

Twin tanks for clean water and waste water drainage



+ hygiene

Moulded one-piece stainless steel chamber



+ non porous

Memory Test System



+ diagnostics

3-cycles Test



+ safety

Bowie & Dick
Helix Test
Vacuum Test

Kronos B

speedy 6L

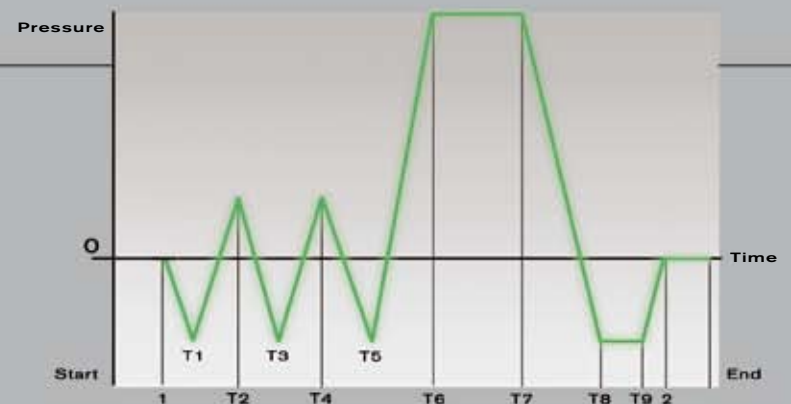
The fastest sterilization process



Fractionated Vacuum

With high-performance Double-stage pump

COMPLETE GRAPHIC CYCLE KRONOS B *speedy*



KRONOS B *speedy 6L*
STERILIZABLE PRODUCTS



SOLID INSTRUMENTS



HOLLOW INSTRUMENTS



WRAPPED INSTRUMENTS



POROUS LOADS

KRONOS B
speedy 6L

15-23L



Standard EN-13060



Motor-operated door closure

with triple-protection, guarantees better safety, greater ease of handling and self-regulation of the door



Instantaneous Vaporizer

outside the chamber allows higher sterilization speeds and reduces water consumption



Thermal printer

Built into the machine to allow complete recording of the sterilization cycle. Ensures the user greater cycle control and easy archiving



Multi-language graphic display

easier for the operator to select the sterilization cycles, continuous control over the cycle phases and gives graphic indication of the errors committed by the operator.



Connection to your PC



Thick Aluminium chamber giving faster sterilization cycle



FEATURES

ADVANTAGES

Motor-operated door closure



+ ergonomics

Instantaneous vaporizer



+ speed & low consumption

Printer as standard



+ control

Filling with self-priming pump



+ practical

Graphic display



+ simple to use

Latest Software



+ automatic cycle & process self-control

Possibility of connection to PC



+ archiving

Electronic drying in vacuum



+ safety

Twin tanks for clean water filling and waste water drainage



+ hygiene

Aluminium chamber



+ Fastity

Memory Test System



+ diagnostics

3-cycles Test



+ safety

**Bowie & Dick
Helix Test
Vacuum Test**

Kronos S

15-23L

Kronos N

15-23L



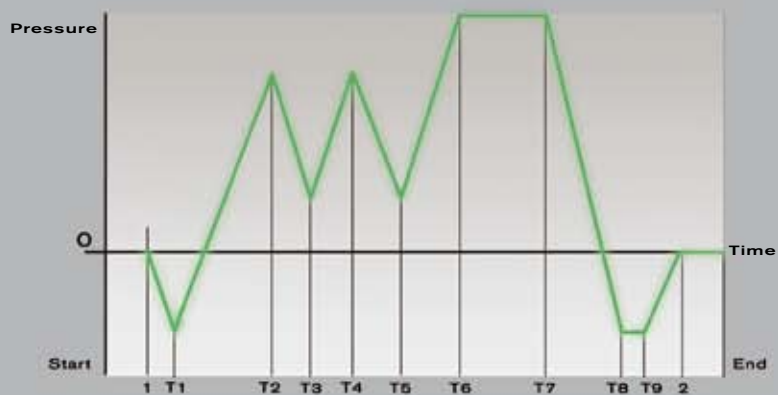
S

Pre and Post vacuum
With Double-stage Vacuum Pump

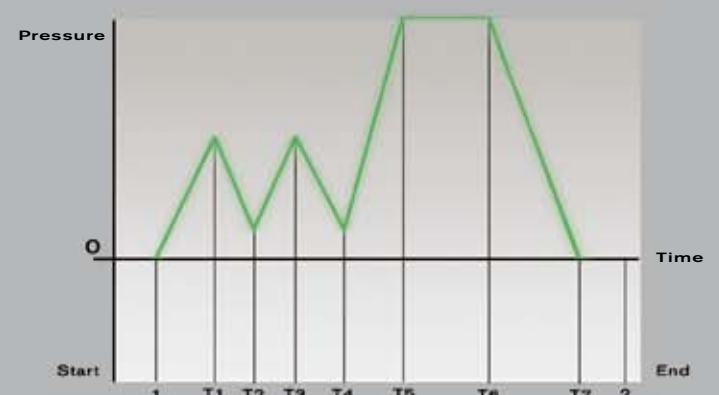
N

Thermodynamic vacuum
Electronically Controlled

COMPLETE GRAPHIC CYCLE KRONOS S



COMPLETE GRAPHIC CYCLE KRONOS N



KRONOS S 15/23L
STERILIZABLE PRODUCTS



SOLID INSTRUMENTS



WRAPPED INSTRUMENTS



SMALL POROUS LOADS

KRONOS N 15/23L
STERILIZABLE PRODUCTS



SOLID INSTRUMENTS

Kronos S and N

15-23L



Standard EN-13060



Motor-operated door closure

with triple-protection, guarantees better safety, greater ease of handling and automatic regulation of the door



Instantaneous Vaporizer

outside the chamber allowing higher sterilization speeds and reduces water consumption



Thermal printer

built into the machine to allow complete recording of the sterilization cycle. Ensures the user greater cycle control and easy archiving



Multi-language graphic display

easier for the operator to select the sterilization cycles, continuous control over the cycle phases and gives graphic indication of the errors committed by the operator.



Connection to your PC



Stainless steel chamber

Made of a thick moulded one-piece stainless steel



Connection to water demineralization system



FEATURES

ADVANTAGES

Motor-operated door closure



+ ergonomics

Instantaneous vaporizer



+ speed & low consumption

Printer as standard



+ control

Filling with self-priming pump



+ practical

Graphic display



+ simple to use

Latest Software



+ automatic cycle & process self-control

Possibility of connection to PC



+ archiving

Provision for connection to demineralization system and direct dirty water drainage



+ handy

Electronic drying in vacuum (Kronos S only)



+ safety

Twin tanks for clean water filling and waste water drainage



+ hygiene

Moulded one-piece stainless steel chamber



+ non porous

Memory Test System



+ diagnostics

2-cycles Test (Kronos S only)



+ safety

**Bowie & Dick
Vacuum Test**

Energy

15-23L

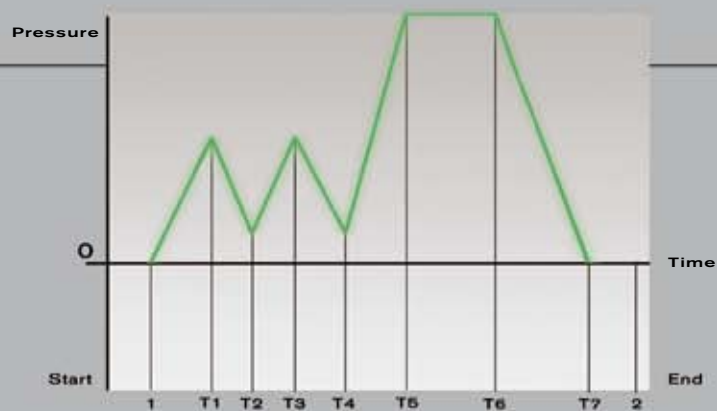
Completely automatic cycle
controlled by microprocessor



Thermodynamic vacuum

Electronically Controlled

COMPLETE GRAPHIC CYCLE ENERGY



ENERGY 15/23L
STERILIZABLE PRODUCTS



SOLID INSTRUMENTS



Energy

15-23L



FEATURES



The door closure system
Easy and practical with double safety



Stainless steel chamber
Thick moulded one-piece stainless steel



LCD Display
Makes it easier for the operator to select the sterilization cycles, continuous control over the cycle phases and gives simple indication of the errors committed by the operator

Door closure system

Easy and practical

Stainless steel chamber

Single piece moulded stainless steel

LCD display with continuous temperature and pressure display

Double sensor for safety on door closure

Double control of sterilization process

Electronic Transducer of pressure

Two electronic temperature probes for measuring the temperature inside and outside the sterilization chamber

Internal tank with probe which shows the minimum and maximum level on the display

Front filling of water so that the autoclave can be built into a unit

Sterilization cycles

Completely automatic:
2 sterilization cycles at 121°
2 sterilization cycles at 134°

THE PROGRAMS

MENU

Designed for perfect sterilization of various materials, thanks to the combination of vacuum, temperature and drying.

Cycles Tables

Kronos B
15-23

Materials and instruments	Program	Vacuum phases	Total time*
Delicate hollow** and stainless steel hollow (wrapped)	121° Hollow wrapped	4	26 minutes
Stainless steel hollow (wrapped)	134° Hollow wrapped	4	14 minutes
Solid rubber and delicate solids (wrapped)	121° Solid wrapped	2	26 minutes
Stainless steel solids (wrapped)	134° Solid wrapped	2	14 minutes
Stainless steel solid and hollow (wrapped)	134° Pylon	4	30 minutes
Delicate, hollow and porous (wrapped)	121° Porous	4	31 minutes
Solid stainless steel, hollow, and porous (wrapped)	134° Porous	4	19 minutes
Solid rubber and delicate (unwrapped)	121° Fast	2	20 minutes
Solid rubber (unwrapped)	134° Fast	2	8 minutes
Hollow rubber and stainless steel (unwrapped)	134° Hollow unwrapped	4	8 minutes
Test Cycle for Helix and Bowie & Dick	134° Helix/B&D Test	4	7.5 minutes
Test Cycle for vacuum	<40° Vacuum Test	1	15 minutes

* Including drying phase, excluding preheating. The preheating may vary from 20 to 25 minutes depending on the load.

** Type A and B hollow instruments, in accordance with EN 13060.

*** For Kronos B23 the total time must be increased by approx.15 minutes.

Kronos B
speedy

Materials and instruments	Program	Vacuum phases	Total time*
Delicate hollow** and stainless steel hollow (wrapped)	121° Hollow wrapped	4	26 minutes
Stainless steel hollow (wrapped)	134° Hollow wrapped	4	14 minutes
Delicate hollow and stainless steel hollow (unwrapped)	121° Hollow unwrapped	4	18 minutes
Hollow rubber and stainless steel hollow (unwrapped)	134° Hollow unwrapped	4	7 minutes
Stainless steel solid and hollow (wrapped)	134° Pylon	4	30 minutes
Delicate, hollow and porous (wrapped)	121° Porous	4	31 minutes
Solid stainless steel, hollow, and porous (wrapped)	134° Porous	4	19 minutes
Solid rubber and delicate (unwrapped)	121° Solid open	2	18 minutes
Solid stainless steel (unwrapped)	134° Solid open	2	6 minutes
Solid stainless steel (wrapped)	134° Solid wrapped	2	14 minutes
Test Cycle for Helix and Bowie & Dick	134° Helix/B&D Test	4	6 minutes
Test Cycle for vacuum	<40° Vacuum Test	1	15 minutes

* Including drying phase, excluding preheating. The preheating may vary from 7 to 10 minutes depending on the load

** Type A and B hollow instruments, in accordance with EN 13060

Kronos S 15-23

Materials and instruments	Program	Vacuum phases	Total time*
Delicate hollow** and stainless steel hollow (wrapped)	121° Hollow wrapped	2	30 minutes
Stainless steel hollow (wrapped)	134° Hollow wrapped	2	18 minutes
Solid rubber and delicate solids (wrapped)	121° Solid wrapped	2	26 minutes
Stainless steel solid (wrapped)	134° Solid wrapped	2	14 minutes
Stainless steel solid and hollow (wrapped)	134° Pryon	2	35 minutes
Delicate, hollow and porous (wrapped)	121° Porous	2	31 minutes
Solid stainless steel, hollow, and porous loads small(wrapped)	134° Porous	2	19 minutes
Solid rubber and delicate (unwrapped)	121° Fast	2	21 minutes
Solid stainless steel (not wrapped)	134° Fast	2	9 minutes
Hollow rubber and stainless steel (unwrapped)	134° Hollow unwrapped	2	10 minutes
Test Cycle for Helix and Bowie & Dick	134° Helix/B&D Test	2	7.5 minutes
Test Cycle for vacuum	<40° Vacuum Test	1	15 minutes

* Including drying phase, excluding preheating. The preheating may vary from 20 to 25 minutes depending on the load.

* Type A and B hollow instruments, in accordance with EN 13060.

*** For Kronos S23 the total time must be increased by approx. 15 minutes.

Kronos N 15-23

Materials and instruments	Program	Total time*
Solid rubber and delicate solids (with prolonged drying)	121° solid unwrapped	32 minutes
Solid rubber and solid metal (with prolonged drying)	134° Solid unwrapped	19 minutes
Solid stainless steel and metal instruments	134° Pryon	35 minutes
Solid rubber and delicate solids (with brief drying)	121° Fast	21 minutes
Solid rubber and solid metal (with brief drying)	134° Fast	9 minutes

* Including drying phase, excluding preheating. The preheating may vary from 20 to 25 minutes depending on the load.

** For Kronos N23 the total time must be increased by approx. 15 minutes.

Energy 15-23

Materials and instruments	Program	Total time*
Solid rubber and delicate solids (wrapped drying)	121° Wrapped	27 minutes
Solid rubber and solid metal (unwrapped)	121° Unwrapped	23 minutes
Solid stainless steel and metal instruments (wrapped)	134° Wrapped	14 minutes
Solid rubber and delicate solids (unwrapped)	134° Unwrapped	10 minutes

* Including drying phase, excluding preheating. The preheating may vary from 20 to 25 minutes depending on the load.

** For Energy 23 the total time must be increased by approx. 10 minutes.

Technical features

	Kronos B 15-23		Kronos B speedy		Kronos S 15-23		Kronos N 15-23		Energy 15-23	
Motor-operated closure	●		●		●		●		Mechanical	
Door lock Safety	Electric		Electric		Electric		Electric		Mechanical	
Type of Vacuum	Fractionated		Fractionated		Pre and Post vacuum		Thermodynamic		Thermodynamic	
Instantaneous Vaporizer	●		●		●		●		—	
Test Programs	Bowie & Dick / Helix / Vacuum test		Bowie & Dick / Helix / Vacuum test		Bowie & Dick / Vacuum test		—		—	
Onboard Printer	●		●		●		●		—	
Display	Graphic		Graphic		Graphic		Graphic		Digital	
M.T.S. Memory Test System	●		●		●		●		—	
Connection to PC	●		●		●		●		—	
Connection to water demineralizer	●		—		●		●		—	
Night Cycle	●		●		●		●		●	
Internal Water Tanks (loading and unloading)	2		2		2		2		1	
Chamber volume in litres	15	23	6	15	23	15	23	15	23	
No. of Cycles with water loading (indicative)	8	6	20	10	8	10	8	16	12	
Wrapped Sterilizable Weight in kg	3	4.5	1	3	4.5	—	—	2	4	
Unwrapped Sterilizable Weight in kg	4	6	1.8	4	6	4	6	4	6	
Porous material in kg	1	1.5	0.5	0.5	1	—	—	—	—	
Empty Machine weight in kg	56	60	40	45	50	43	48	40	45	
Outer measurement:										
Depth mm	610	695	610	610	695	610	695	610	695	
Width mm	505	505	445	445	445	445	445	445	445	
Height mm	400	400	345	400	400	400	400	400	400	
Supply voltage	230-240 Vac									
Mains frequency	50-60 Hz									
Rated power	2400w		2500w		2400w		2400w		2000w	

● Standard — not present

Newmed reserves the right to make modifications without prior notice.

COLOUR RANGE OF AUTOCLAVES

We can customize our autoclave with all the RAL range of colours to match your Equipment or your Surgery.

WHITE - Standard



Heat sealing unit Termoseal

Ergonomic design with smooth, easy-to-clean surfaces.

Ergonomic grip with non-fatigue movement.

Automatic sealing Complete Indicator.

Fast sealing time with stretched 12mm seal

Simple and Reliable Resistance, self-controlled at constant temperature.

Concealed Roll-Holder.

Table top use or Wall mounted.

Dimensions 480 x 198 x 385 mm (L x H x D)

Power absorbed 100W

Weight 7.5kg



Ultrasonics tanks

Simply - Heating - Lux

Stainless Steel tank.

Container manufactured from fire-retardant plastic.

Automatic frequency control

which is regulated according to tank load.

High-intensity piezo-ceramic Transducer.

Automatic liquid de-gassing.

Wide range of accessories available.

Models:

Simply 35 - Simply 60

Electronic Timer without heating

Heating 35 - Heating 60

Switch for electronic timer for heating at 50

Lux 35 - Lux 60

Digital selection of operating times and temperatures



Lux 60
Real volume 6L
Weight 5.4kg
Inner dimensions:
297 x 238 x 100h mm
Outer dimensions:
345 x 315 x 246h mm

Lux 35
Real volume 3.5 L
Weight 3.5 kg
Inner dimensions:
297 x 135 x 100h mm
Outer dimensions:
345 x 210 x 238h mm

Optional ACCESSORIES



Perfect Water
Electric Distiller



Aquamed
Water demineralizer with visual colour check of conductivity complete with sampler gun



Osmosis
Clean water for autoclave



STS DATA LOGGER
Software for acquisition and archiving data using Flashcard – USB



Helix Test
Spiral + 100 indicators for checking sterilization in hollow bodies



Bowie & Dick Test
Disposable pack
For checking sterilization in porous loads



Chemical indicator
Pack of 250pcs.
For chemical testing of each sterilization cycle



Spores
Box of 20pcs.
For biological testing of sterilization



IT IS JUST A QUESTION OF TIME...
Your time...

Directives applicable
Reference **Standards** of Autoclaves

Directive: Medical Devices **93/42/EEC**

Directive: Electromagnetic Compatibility **89/336/EEC**

Directive: Low Voltage **73/23/EEC**

EN 13060: small steam sterilizers (excluding Energy)

EN 61010-1: Safety instructions for laboratory apparatus

EN 61010-2-041: Special instructions for steam sterilizers



Newmed



Newmed srl

Via Tarantelli, 9 - 42020 Barco di Bibbiano Reggio Emilia ITALY

Tel. +39 0522 875166 Fax +39 0522 243096

info@newmedsrl.it

www.newmedsrl.it