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Tuttnauer

Your Sterilization & Infection Control Partners





Tabletop Line

Automatic and Manual Autoclave Series

Tuttnauer

Your Sterilization & Infection Control Partner

Company Profile

For over 80 years, Tuttnauer's sterilization and infection control products have been trusted by hospitals, universities, research institutes, clinics and laboratories throughout the world. Supplying a range of top-quality products to over 100 countries, Tuttnauer has earned global recognition as a leader in sterilization and infection control.

Tuttnauer invests its full energies and resources in one area of expertise – sterilization and infection control. From our start, in 1925, we have worked on large-scale joint projects with leading research institutes and universities. This cooperation allows us to remain at the forefront of our field, developing and integrating the most advanced methods and technologies.



One Area of Expertise, Many Areas of Application

We have consistently provided solutions to various markets and offer a wide range of innovative cleaning, disinfection and sterilization products, varying in size and application including:

- An extensive variety of tabletop autoclaves for dental clinics and small to medium clinics, or as a second unit in medical centers and hospitals
- Cleaning, disinfection and sterilization products for CSSD use
- Industrial size sterilizers for hospitals and research institutes
- Laboratory autoclaves ranging in size and application
- Washers and disinfectors for dental clinics, hospitals and laboratories

Our autoclaves incorporate proven design and engineering features, resulting in a durable, warranted solution that meets international standards including FDA, ASME, ISO and CE Medical Devices.

Global Partnerships

At Tuttnauer we feel that business means people dealing with people. We pride ourselves on our reputation for having long-lasting relationships with our customers, spanning over decades and distances and for building solid, long-term relationships based on commitment and trust.

Our Flexibility is Your Advantage

Beyond our unmatched range of products, we also manage complete turnkey solutions, including planning, design and installation of equipment, as well as consultation and feasibility studies, for projects of all sizes.

Backed by deep industry experience and a track record of success, Tuttnauer continues to help medical and research institutes all over the world to plan and execute their sterilization and infection control policies.

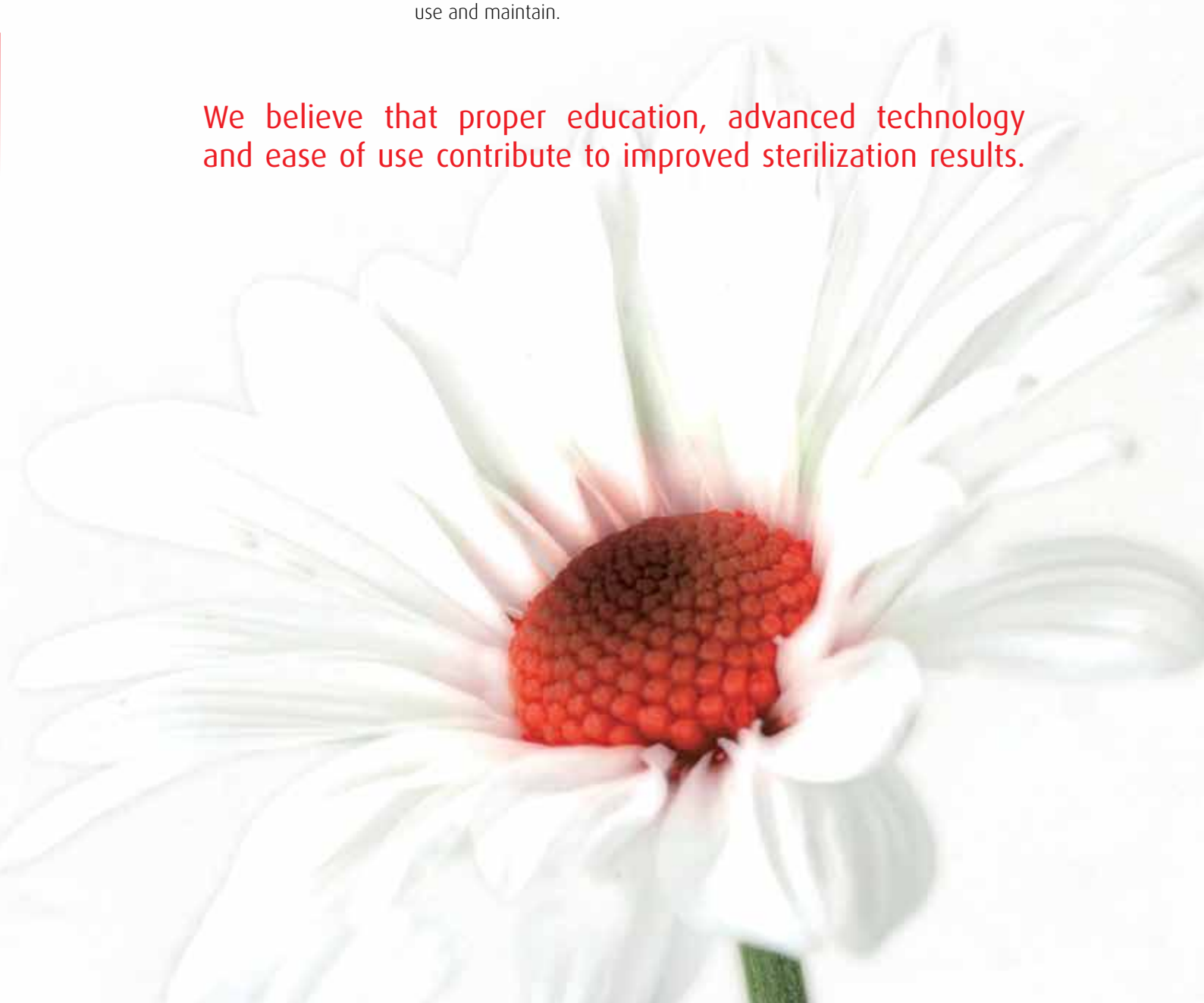
We share your commitment to help protect your staff and patients against the spread of infectious diseases and to maintain a risk-free environment. The demand for stricter sterilization guidelines is on the rise, especially since the advent of AIDS and the development of virus mutations, which makes the battle for a cleaner and safer environment ever more challenging.

What is Sterilization?

Sterilization is a vital component of Infection Control procedures, the term used to describe the entire range of activities intended to achieve a clean, disease-free environment. Sterilization is defined as the destruction of all transmissible agents, bacteria and viruses from surfaces, medical instruments, food or any product that needs to be safely used without endangering the user.

Increased regulations and the requirement for proper sterilization in private clinics, tattoo parlors and beauty salons have given rise to the demand for sterilizers that are easy to use and maintain.

We believe that proper education, advanced technology and ease of use contribute to improved sterilization results.



Tuttnauer Automatic Autoclave Series

Providing a safe environment is our priority

Today, dental and medical clinics are voicing the demand for better sterilization. Tuttnauer is your partner in protecting your patients and gaining their trust. Our state of the art sterilization technologies are designed to deliver quality without compromise.

Tuttnauer Automatic Autoclaves produce the highest return on your investment by offering:

• Rapid cycles • Low Maintenance • Durability • Safety

Benefits:

- Rapid cycles optimize the availability of ready-to-use sterile instruments
- Easy-to-use, single touch control system increases productivity
- Enhanced monitoring for consistent documentation of sterilization results
- Long lasting, easy to maintain autoclaves

Automatic Series Features:

- 4 pre-set sterilization programs
- Program and customize cycle parameters to meet your needs
- High precision control system for accurate sterilization results
- Integrated printer for cycle documentation (optional)
- PC Communication port enables storage of sterilization results
- Temperature and pressure monitoring
- User friendly, intuitive display
- Cycle information recovery in the case of power failure or cycle interruption
- Insufficient water detector with automatic shutoff
- Consistent monitoring of temperature and pressure for real-time accurate results
- Water-level sensors prevent cycle activation when insufficient water is detected in the chamber or reservoir

Capacity:

Our high-capacity models are available in 65 and 85 Liter chamber sizes. These models are designed for clinics that have a high volume of instrument turnaround, therefore decreasing the clinic's operational costs.





Safety and Convenience Features:

- Seamlessly integrated into your work environment with compact design and heat insulation
- Durable 316L type stainless steel chamber and door with electro-polish finish
- Double locking safety device prevents door from opening while chamber is pressurized
- Control lock-out switch prevents starting a cycle if door is not properly locked
- Door failure protection prevents door from opening at high pressure
- Automatic safety shutoff prevents overheating

316L type stainless steel with electro-polish finish





Double locking safety device

Complies with strict international directives and standards:

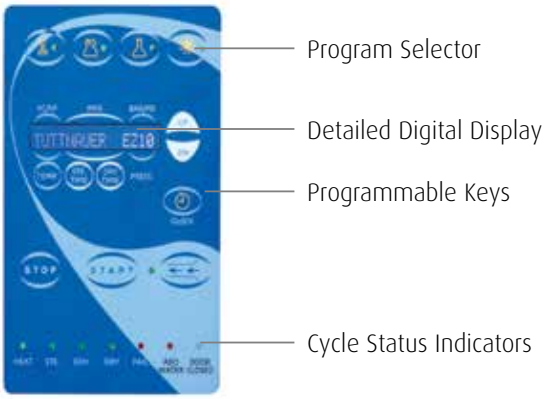
PED 97/23 • MDD 93/42 • ASME • UL/EN 61010-1 • FDA • ISO 13485:2003 • ISO 9001:2008

DEKRA cULus IQNet ASME CE 0344

Control Panel

Interactive Control System: Monitoring is essential for correct infection control in your private practice.

Tuttnauer Automatic Autoclaves feature a user friendly, micro -processor control system which offers enhanced monitoring, providing the control and flexibility you need. In addition password protection provides for secure access. The LCD display is easy to read with sharper and brighter indicator lights



Sterilization Programs:

The autoclave offers 3 preset sterilization programs, at temperatures of up to 134°C (273°F) and 1 dry only program. Cycle parameters can be customized to suit your needs.

Program	Instruments & Materials
	Unwrapped Instruments and materials
	Wrapped Instruments and Porous Loads
	Glasswares For non medicinial liquids in open bottles and glassware
	Drying Select the accessory drying program to continue the heat assisted drying process

How to Select the Right Model for your Needs?

Tuttnauer Automatic Autoclave Series is available in a wide range of models: E, EK, EA and EKA.

E - Automatic Micro-Processor Control System	**K** - Quick Cycle - The quick cycle models significantly decrease sterilization cycle time, saving you time and optimizing results	**A** - Air Pump for closed door drying

E / EK

These models are available in two modes: The quick cycle model, EK, decreases heating time by over 50%, resulting in fast and efficient sterilization cycles and quick instrument turnaround. The EK is the perfect choice for the active clinic. The standard E model provides all the dependable features of the automatic autoclave line.







Model	Chamber Volume	Cold Cycle Time	Hot Cycle Time
E Series			
2340E	19 Liter	23 min.	16 min.
2540E	23 Liter	25 min.	17 min.
3140E	34 Liter	30 min.	18 min.
3850E	64 Liter	31 min.	20 min.
3870E	85 Liter	31 min.	21 min.
EK Series			
1730EK	7.5 Liter	14 min.	11 min.
2340EK	19 Liter	14 min.	11 min.
2540EK	23 Liter	14 min.	11 min.

Tested for unwrapped instruments. Cycle times includes heat up, sterlization exposure and exhaust. All cycle times may vary with instrument load and voltage.

EA / EKA - Fully Automatic Autocalves

Closed Door Active Drying Air Pump:

With extra fast and efficient drying cycles, the EKA and EA autoclaves significantly increase your productivity. These two models have the added benefit of a high efficiency air pump which allows closed door active drying. The EKA and EA are built for improved sterilization with the ability to dry packs and pouches.

Benefits:

- More thorough drying and sterilization
- Faster drying for a shorter overall cycle
- 0.2 µm HEPA air filter provides sterile, bacteria-free air for drying

64/85 Liter Chamber Models

34 Liter Chamber Models



19/23 Liter Chamber Models

7.5 Liter Chamber Models

All printers are optional

Model	Chamber Volume	Cold Cycle Time	Hot Cycle Time
EA Series			
2340EA	19 Liter	23 min.	16 min.
2540EA	23 Liter	25 min.	18 min.
3850EA	64 Liter	31 min.	20 min.
3870EA	85 Liter	31 min.	20 min.
EKA Series			
2340EKA	19 Liter	14 min.	11 min.
2540EKA	23 Liter	14 min.	11 min.

-Tested for unwrapped instruments. Cycle times includes heatup, sterlization exposure and exhuast. All cycle times may vary with instrument load and voltage.

Tuttnauer Manual Autoclave Series

Simplicity at Work

M/MK

The Manual Autoclave is an affordable sterilizer for private clinics that do not want to compromise on quality, safety and reliability.

Tuttnauer manual autoclaves are an effortless Plug n' Play solution. After installation, the sterilizer is virtually maintenance free with reduced running costs.

Benefits:

- Tuttnauer Manual Autoclaves last longer
- Durable components significantly reduce maintenance expenses
- Ease of use eliminates the need for specialized staff to operate sterilizer

Safety and Convenience Features:

- Heat insulation and quiet operation for pleasant office environment
- Durable 316L type stainless steel chamber and door with electro-polish finish
- Double locking safety device prevents door from opening while chamber is pressurized
- Pressure activated lock prevents door from opening if chamber is pressurized
- Door failure protection prevents door from opening at high pressure
- Automatic safety shutoff prevents overheating
- Insufficient water detector with automatic shutoff



1 Pressure Gauge
2 Timer
3 Thermostat
4 Function Selector





64/85 Liter Chamber Models



19/23 Liter Chamber Models

34 Liter Chamber Models



7.5 Liter Chamber Models

Complies with strict international directives and standards:

PED 97/23 • MDD 93/42 • ASME • UL/EN 61010-1 • FDA • ISO 13485:2003 • ISO 9001:2008

DEKRA cULus IQNet ASME CE 0344

Model	Chamber Volume	Cold Cycle Time	Hot Cycle Time
M Series			
2340M	19 Liter	20 min.	12 min.
2540M	23 Liter	22 min.	14 min.
3140M	34 Liter	25 min.	17 min
3850M	64 Liter	29 min.	17 min.
3870M	85 Liter	31 min.	20 min.
MK Series			
1730MK (Valueklave)	7.5 Liter	12 min.	9 min.
2340MK	19 Liter	12 min.	9 min.
2540MK	23 Liter	12 min.	9 min.

Tested for unwrapped instruments. Cycle times includes heatup, sterlization exposure and exhaust . All cycle times may vary with instrument load and voltage.

2540MKA - The First Manual Autoclave with Closed Door Drying

The 2540MKA, features heating auto-shutoff at completion of sterilization cycle, saving energy and increasing your safety and productivity. Before leaving the clinic, set the 2540MKA to night mode, start a cycle and the instruments will be sterile and ready to use on return.

- Closed door active drying air pump
- Single action sterilization cycle
- Overheat safety protection
- Automatic night mode shutoff is a time and energy saver

Model	2540MKA
Chamber Dimensions øxL (mm)	254 x 476
Chamber Volume	23 Liter
Cold Cycle Time	16 min.
Hot Cycle Time	12 min.

Cycle time may vary with instrument load and voltage





1 Cycle Status Indicator
2 Pressure Gauge
3 Power Switch
4 Sterilization Timer
5 Water Pump Switch
6 Drying and Sterilization Timer
7 Temperature Selector
8 Night Mode Switch

Accessories

Impulse Sealing Machines

Sterilization is effective only if the sterility of the instruments is preserved from the point of sterilization until they are used. The sealing process ensures that the instruments remain sealed after sterilization and maintain perfect sterility during their Automatic night mode shutoff is a time and energy saver shelf-life. Our range of fast and reliable impulse sealers complies with the strictest quality and safety standards (DIN 58953-7). For rapid instrument turnaround we offer an automated range of rotary sealing machines.



Water Distiller

Use mineral-free water to protect your autoclave and instruments.

- Increases the life of the autoclave piping system
- Distilled water at the fraction of the cost of bottled distilled water



Chamber Brite™

Chamber Brite™ effectively cleans and descales the chamber, the reservoir and copper tubing of any steam autoclave.



Model	Chamber Volume	Standard Cassettes Capacity	No. of Trays	Tray Dimensions **WxHxD** (mm)	Voltage(V) Frequency (Hz)	Cuurent(A) Power(W)	Overall Dimensions **WxHxD** (mm)	Autoclave Weight (Kg)
E Series								
2340E	19 Liter	2 full/2 half	3	168x20x414	120/230V (50/60 Hz)	11.7/6A 1400W	508x362x550	33
2540E	23 Liter	3 full/3 half	4	168x20x414	120/230V (50/60 Hz)	11.7/6A 1400W	508x362x550	35
3140E	34 Liter	6 full	2	195x25x400 253x25x400	230V (50/60 Hz)	7.8A 1800W	586x450x555	54
3850E	64 Liter	10 full	2	495x25x286 495x25x350	230V (50/60 Hz)	10.4A 2400W	660x525x695	70
3870E	85 Liter	15 full	2	675x25x286 675x25x350	230V (50/60 Hz)	13A 3000W	660x525x875	80
EK Series								
1730EK	7.5 Liter	2 half	3	115x20x290	120/230V (50/60 Hz)	11.3/5.9A 1350W	442x307x460	22
2340EK	19 Liter	2 full/2 half	3	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	33
2540EK	23 Liter	3 full/3 half	4	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	36
EA Series								
2340EA	19 Liter	2 full/2 half	3	168x20x414	120/230V (50/60 Hz)	10.7/6A 1400W	508x362x550	36
2540EA	23 Liter	3 full/3 half	4	168x20x414	120/230V (50/60 Hz)	10.7/6A 1400W	508x362x550	36
3850EA	64 Liter	10 full	2	495x25x286 495x25x350	230V (50/60 Hz)	10.4A 2400W	660x525x695	70
3870EA	85 Liter	15 full	2	675x25x286 675x25x350	230V (50/60 Hz)	13A 3000W	660x525x875	81
EKA Series								
2340 EKA	19 Liter	2 full/2 half	3	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	36
2540EKA	23 Liter	3 full/3 half	4	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	37
M Series								
2340M	19 Liter	2 full/2 half	3	168x20x414	120/230V (50/60 Hz)	11.7/6A 1400W	508x362x550	30
2540M	23 Liter	3 full/3 half	4	168x20x414	120/230V (50/60 Hz)	11.7/6A 1400W	508x362x550	33
3140M	34 Liter	6 full	2	195x25x400 253x25x400	230V (50/60 Hz)	7.8A 1800W	586x450x555	52
3850M	64 Liter	10 full	2	495x25x286 495x25x350	230V (50/60 Hz)	10.4A 2400W	660x525x695	69
3870M	85 Liter	15 full	2	675x25x286 675x25x350	230V (50/60 Hz)	13A 3000W	660x525x875	78
MK Series								
1730MK	7.5 Liter	2 half	3	115x20x290	120/230V (50/60 Hz)	11.3/5.9A 1350W	442x307x460	20
2340MK	19 Liter	2 full/2 half	3	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	31
2540 MK	23 Liter	3 full/3 half	4	168x20x414	230V (50/60 Hz)	9.6A 2200W	508x362x550	33
MKA								
2540MKA	23 Liter	3 full/3 half	4	168x20x414	230V (50/60 Hz)	10.0A 2200W	508x362x550	38

Tuttnauer
Your Sterilization & Infection Control Partners

More from Tuttnauer:

Featuring Tuttnauer's range of cleaning, disinfection and sterilization solutions



Large sterilizers for various industries and market needs



Washers/disinfectors for hospitals and laboratories



Laboratory autoclaves ranging in size and application



Pre & post vacuum tabletop sterilizers designed to perform class B cycles

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