



# Company Profile

For more than 75 years, the Tuttnauer Company has been designing and manufacturing a wide range of sterilization equipment for the medical, dental, pharmaceutical, bio-technological, and surgical markets. Drawing on this extensive experience, as well as input from it's international network of sales and marketing offices, Tuttnauer is in the unique position of being able to incorporate the best design and engineering features of the international sterilization community into their standard, commercially available, infection control products.

### After-Sales service

Tuttnauer after-sales service provides various services worldwide, including technical training centers for technicians in Holland and the USA, a network of trained technicians and service consultants who provide technical support within 24 hours by fax, e-mail or telephone, spare parts supply and complete workshop facilities in Holland and the USA which provide maintenance, repair and backup services.



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D i s t r i b u t e d   b y :



LTR230-0010a



# ALWAYS A STEP AHEAD

ASME

Net



CE  
0123  
Certified



# Mechanical Autoclaves

Tuttnauer semi-automatic (M) autoclave is designed to complement any healthcare and laboratory facility. Time tested reliability, durability and safety are built into this product.

## FEATURES:

- Automatic shut-off at the end of both the sterilization and dry cycles
- A long life stainless steel chamber and door
- Double safety locking device prevents door from opening while chamber is pressurized
- Overheat cutoff prevents burnout of heating elements in case of insufficient water in the chamber
- Drain valve is located on the front, allowing for quick and easy draining of water reservoir
- Working temperature thermostat to protect against overheating
- In compliance with International standards such as: ASME, CE marked, PED 97/23, UL, F.D.A. etc.

## MANUAL CONTROL PANEL



## M Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
2340 M	230 x 470	19L/5gal	545x510x365	2 full/2 half	170x415x20	3	Cold: 30 mins Hot: 20 mins	120/230V (50/60 Hz)	1400W 12A	35
2540 M	254 x 475	23L/6gal	545x510x365	3 full/3 half	170x415x20	4	Cold: 30 mins Hot: 20 mins	120/230V (50/60 Hz)	1400W 12A	37
3850 M	384 x 580	64L/17gal	695x660x525	10 full	286x495x25 350x495x25	2	Cold: 35 mins Hot: 25 mins	230V (50/60 Hz)	2400W 10A	89
3870 M	384 x 760	85L/22gal	875x665x525	15 full	286x675x25 350x675x25	2	Cold: 55 mins Hot: 40 mins	230V (50/60 Hz)	2700W 13A	102

# Mechanical Kwiklaves

The Tuttnauer M Series, is also available as a semi automatic model with a quick cycle, the Kwiklave (MK). These sterilizers offer all the proven, dependable features of our manual autoclave, with the added benefit of

reducing the total sterilization cycle time by 50%. These autoclaves are the perfect choice for quick instrument turn-around in a high volume office. Speed and reliability are accomplished without sacrificing load size.

## MK Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
2340 MK	230 x 470	19L/5gal	545x510x365	2 full/2 half	170x415x20	3	Cold: 12 mins Hot: 9 mins	230V (50/60 Hz)	2200W 10A	35
2540 MK	254 x 475	23L/6gal	545x510x365	3 full/3 half	170x415x20	4	Cold: 12 mins Hot: 9 mins	230V (50/60 Hz)	2200W 10A	37



# Valueklave 1730

The Valueklave 1730 will satisfy all of your basic sterilization needs at an economical price. High speed and reliability are built into every Valueklave 1730.

## FEATURES:

- Fast Cycle Time - 9 minutes from a hot start\* ( Unwrapped Cycle time)
- Automatic shut off at the end of both the sterilization and dry cycles
- A long life electro polished chamber and door
- Double safety locking device prevents door from opening while chamber is pressurized
- Drain valve is located on the front, allowing for quick and easy draining of water reservoir
- Self action thermostat
- Parts warranty for 1 year

\*Heat up time, sterilization exposure and exhaust.



## Valueklave 1730 Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
1730	170 x 340	7.5L/2gal	455x440x305	2 half	120x295x20	3	Cold: 12 mins Hot: 9 mins	120/230V (50/60 Hz)	1350W 11A	25

# Automatic Autoclaves

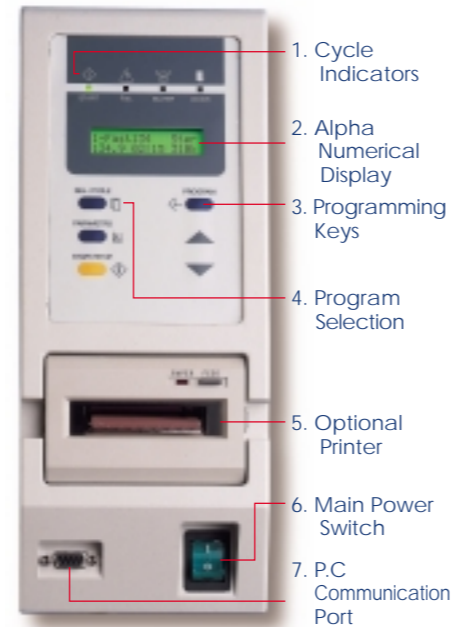
With the simplicity of one touch design, all your sterilization needs are fulfilled. The Tuttnauer automatic autoclaves fill, sterilize and exhaust at the touch of a button. The autoclave is pre-set with five standard programs that can be customized by authorized personnel to suit individual requirements.

FORGET IT ONCE YOU SET IT

## FEATURES:

- Pre programed cycles for: unwrapped instruments and utensils at 134°C and 121°C with slow exhaust
- All program parameters can be customized and retained
- High precision control system, with up to 0.1°C resolution
- Audible and visual cycle interruption or completion alert
- Double safety locking device prevents door from opening while chamber is pressurized
- Protection against overheating of the chamber and burning-out of the heating elements
- Automatic shut off at the end of both the sterilization and dry cycles
- Power outage recovery system
- Low water sensor prevents activation of sterilization cycle when there is insufficient water in the chamber or reservoir
- Constant monitoring of temperature and pressure for sterilization
- Door design prevents steam from coming in contact with control panel when opened
- Advance digital calibration system
- Service and troubleshooting are available through modem connection
- Printer documents all sterilization parameters (optional)
- The autoclaves are CE marked, MDD and PED marked and comply with international standards such as: ASME, prEn13060, ST55, UL, F.D.A. etc.

## CONTROL PANEL



## E Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
3850 E	384x580	64L/17gal	695x660x525	10 full	286x495x25 350x495x25	2	Cold: 35 mins Hot: 25 mins	230V (50/60 Hz)	2400W 10A	89
3870 E	384x760	85L/22gal	875x665x525	15 full	286x675x25 350x675x25	2	Cold: 55 mins Hot: 40 mins	230V (50/60 Hz)	2700W 13A	102

# Automatic Kwiklaves

The Tuttnauer Automatic Series is also available in a quick cycle model - the Kwiklave (EK). These sterilizers offer all the proven dependable features of our automatic autoclave, with the added benefit of reducing the total sterilization cycle time by 50%. These autoclaves are the perfect choice for quick instrument turn around in a high volume office. Speed and reliability are accomplished without sacrificing load size.

## EK/EKA Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
1730 EK	170x340	7.5L/2gal	455x440x305	2 half	120x295x20	3	Cold: 12 mins Hot: 9 mins	120/230V (50/60 Hz)	1350W 11A	27
2340 EK/EKA	230x470	19L/5gal	545x510x365	2 full/2 half	170x415x20	3	Cold: 12 mins Hot: 9mins	230V (50/60 Hz)	2200W 10A	37
2540 EK/EKA	254x475	23L/6gal	545x510x365	3 full/3 half	170x415x20	4	Cold: 12 mins Hot: 9 mins	230V (50/60 Hz)	2200W 10A	39



# Fully Automatic Autoclave

With a touch of a button, the state of the art technology incorporated in Tuttnauer **fully** automatic autoclaves will fill water, sterilize, and thoroughly dry your items. The EA and EKA fully automatic autoclaves offer the user the ability to decrease the overall drying time of sterilized items by as much as 60%.\*

\* Wrapped instruments cycle

## FEATURES:

Consistent with the EK electronic autoclaves as well as:

- High efficiency air pump
- Decreased overall drying time
- Closed door active drying system to maintain sterility and ensure efficient drying pouches
- Hepa filter 0.2µm air filter (replaceable)
- Circulates hot air at the end of the sterilization cycle for fast drying

## Integrated printer

An integrated printer provides detailed information on the pre-set and actual cycle process parameters, such as:

- real time
- selected program
- sterilization temperature
- drying time
- completed cycle summary
- autoclave and program data identification

The new printer



## EA Series

Model	Chamber Dimensions Ø x L (mm)	Volume	Overall Dimensions LxWxH (mm)	Standard Cassettes	Tray Dimensions WxLxH (mm)	No. of Trays	Standard Unwrapped Cycle time	Voltage(V) Frequency(Hz)	Power(W) Current(A)	Shipping Weight (kg)
2340 EA	230x470	19L/5gal	545x510x365	2 full/2 half	170x415x20	3	Cold: 30 mins Hot: 20 mins	120/230V (50/60 Hz)	1400W 12A	37
2540 EA	254x475	23L/6gal	545x510x365	3 full/3 half	170x415x20	4	Cold: 30 mins Hot: 20 mins	120/230V (50/60 Hz)	1400W 12A	39

EKA Series - See table EK Series

# Ultrasonic Cleaning Systems

## Clean & Simple

Manual Ultrasonic Cleaning Systems



CSU1

CSU3

Tuttnauer's Ultrasonic Cleaning systems are manufactured with only the highest quality components. These machines provide 60 kHz of quiet cleaning power which is less aggressive to instruments while still removing all surface contamination. The contemporary design and quiet operation compliment any office environment.

The Ultrasonic is available in various models, mechanical and electronic, with a full selection of accessories to meet your specific needs. The cleaning time and temperature of the electronic models are controlled by a microprocessor.



Available accessories

## Sonica

Electronical Ultrasonic Cleaning Systems



### FEATURES:

- Faster, better and damage free cleaning
- Increased distribution of ultrasound energy
- Improved cavitation
- Simple and easy to read controls
- High working frequency
- Low noise levels
- High power ultrasound generators
- Wide choice of models with 3 to 28 liter capacity
- Heating temperature and cleaning time controlled by a microprocessor
- High efficiency 60khz of cavitation for thorough and quieter cleaning
- Durable vinyl clad steel housing, easy to clean and scratch resistant
- Stainless steel tank with cover
- Full line of accessories available

	MECHANICAL MODELS		ELECTRONIC MODELS						
MODEL NAME	CSU1	CSU3	2200ETH	3200ETH	3300ETH	4200ETH	4300ETH	5200ETH	5300ETH
CAPACITY (liters)	3.5	12.7	3	6	9.5	14	18	21	28

# Ultrasonic Cleaning Tablets

## Clean & Simple™

Clean & Simple is an ultrasonic / enzymatic solution dispensed in a unique tablet form. Drop 2 tablets into your ultrasonic tank already filled with water and the tablets will dissolve in about one minute. This is a non-ionic solution that is anti-corrosive, non-toxic, biodegradable and non-caustic. Available in boxes of 64 and 144 tablets.



### FEATURES:

- Two tablets added to 1 gallon of warm water produces ultrasonic enzymatic solution
- Eliminates handling of heavy 1 gallon containers. No bulky storage
- No pre-mixing required
- Enzymatic solution effectively breaks down protein



## Chamber Brite™

One of the world's most effective, and easy to use autoclave cleaners. Chamber Brite effectively cleans and descales the chamber, reservoir water tank, and copper tubing of any steam autoclave. Regular cleaning extends the life of the autoclaves.



### FEATURES:

- Pre-measured packs
- No pre-mixing required
- Regular usage promotes efficiency
- Odor Free
- Easy to store



## Sealing Machine

Rotary sealing machine with large sealing capacity providing maximum seal integrity for professional use in hospitals, clinics and doctor's offices. DIN standards 58953-7.



HD260M



HD300D

\*Tuttnauer reserves the right to change parts and accessories as necessary without further notice. As components are subject to change, the photos in this catalog may not necessarily represent the up to date components.\*

# Accessories

## Water Distiller

Tuttnauer offers a distiller that provides mineral free water. The distiller removes up to 99% of most tap water contaminants, free of total dissolved solids. Eliminates the inconvenience and expense of buying bottled water. Its ease of operation makes it ideal for any medical, dental or laboratory application. UL listed.



MODEL 800/500

## Special Pc software



Special software is available for connecting the autoclave to a PC computer. Process data will be transmitted, monitored and filed in the PC.

## Instrument Pouch Rack

All pouched instruments should be placed in a rack for proper sterilization and drying. The Tuttnauer stainless steel pouch rack is convenient for the loading and unloading of wrapped instruments.

- Available for 2340, 2540 and 3870 model autoclaves.

