



PlazMax

◆ P50 ◆ P110 ◆ P160

The Innovative
**Low Temperature
Sterilizer**

for Heat-Sensitive
Equipment



Innovative Energy-Saving Solution



The Tuttnauer PlazMax Line

For highly effective sterile processing in small operating rooms or large Central Sterile Services Departments (CSSD).

Safe | Reliable | Efficient

- Three phase electrical supply for all models lowers operational costs.
 - Green technology - non-toxic emissions to the environment
 - Real-time graphical display of cycle parameters
 - Standard sliding single vertical door, other configurations are available.
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**Tuttnauer**

Putting your health
and wellbeing first.

Smart Design, Smart Technology



Thermal printer and USB port - for printing cycle information and downloading data

Aluminium chamber
- aviation grade
- homogeneous temperature distribution



Range of capacities to suit different tools and instruments

Advanced human machine interface (HMI)

Highly durable stainless steel panels prevents discoloration and are easily cleaned



Non-toxic H_2O_2 sterilizing agent



Vertical sliding door and hands-free opening device



Contact us

to learn more about the PlazMax line.

Clean Technology



Non-toxic
sterilizing agent



No water
consumption



Decreased electricity
consumption



No toxic residue,
only water and oxygen



Using Eco Friendly H_2O_2 sterilizing agent

The PlazMax sterilizer inactivates micro-organisms with Hydrogen Peroxide (H_2O_2) vapor and plasma. It sterilizes medical devices by diffusing H_2O_2 into the chamber and then converting the H_2O_2 molecules into a plasma state.

The sterilization occurs inside the chamber by means of H_2O_2 vapor. The PlazMax utilizes the bacterium killing power of free radicals in the H_2O_2 molecules released by applying heat to the H_2O_2 gas in the vaporizer.

The combined use of H_2O_2 vapor and plasma, safely and quickly sterilizes medical instruments and materials without leaving dangerous residues, thus offering an effective, reliable, economical, and easy sterilization method.

User-Friendly Operation

Sophisticated HMI Touch Screen

- Multi-color display
- Multilingual (26 languages)
- Real-time dynamic graph display (chamber pressure & cycle process)
- Process data display (pressure, temperature, vaporizer temperature)

R.P.C.R Software

Automatic tracking cycle information to your PC (optional). Allows remote monitoring of the sterilizer's operation.



Simple to Operate and Monitor



Thermal printer and
USB port



Tracking equipment and
maintenance notifications



Diagnostic in/out
tests for individual
components



Remote-control operating
and monitoring



Hands-free opening device
and vertical sliding door



Multiple access levels
and user passwords

Sterilization Process



Sterilization Cycle and Test Programs

Model	Normal Cycle (Non-hollow loads)	Advanced Cycle (Hollow loads)	Endoscope *
	Cycle Time (min.)	Cycle Time (min.)	Cycle Time (min.)
P50	35	40	32
P110	39	44	37
P160	43	48	41

Test Cycles	Description
	Cycle Time (min.)
Test I	Penetration Test
Test II	Leakage Test

Note: Cycle times are based on a hot cycle and may vary according to load volume

* Endoscope cycle: Short heating time and reduced H_2O_2 exposure time

Types of Loads & Cycles

The PlazMax Line offers regular sterilization cycles for non-hollow loads, advanced sterilization cycles for hollow loads, and a unique endoscope cycle.

Non-Hollow Loads



Electrocautery instruments



Defibrillator paddles

Hollow Loads



Surgical power drills



Shaver handpieces

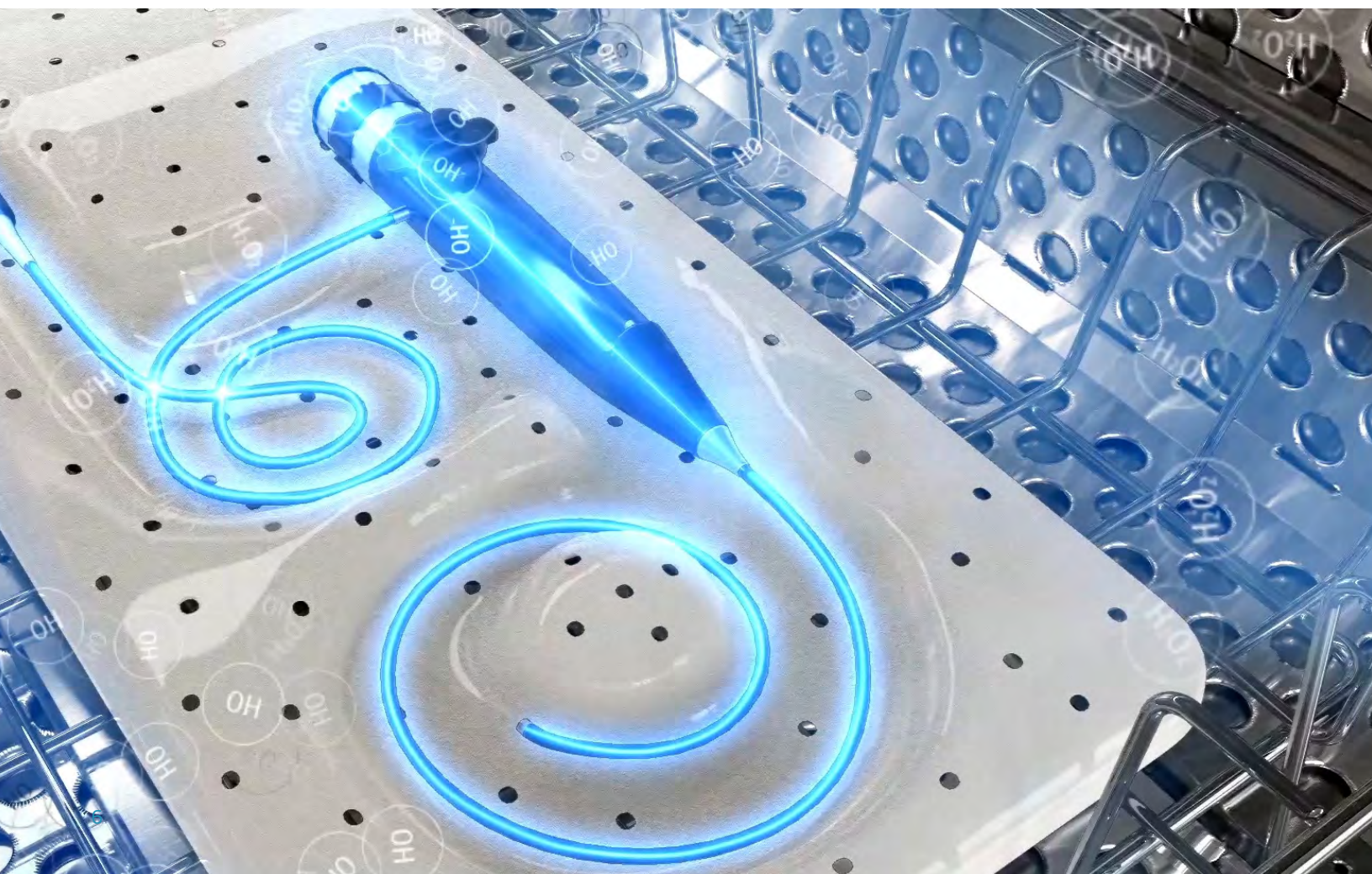
Endoscope Cycles

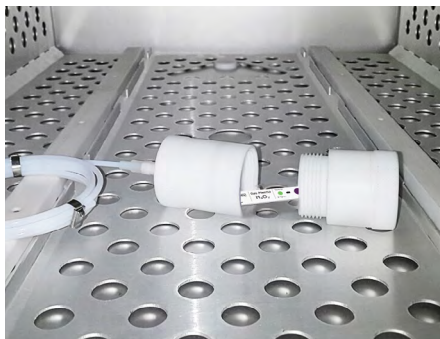


Rigid scopes for optics



Flexible endoscope





The Tuttnauer PCD Kit

Flexible Endoscope Simulation Kit

Assuring effective penetration and successful sterilization

Our unique PCD kit simulates long and challenging lumen configurations (1mm inner diameter lumen and up to 4m long for double side open ends and 1.4m with one dead-end), to assure complete sterilization penetration with full exposure to the vaporized hydrogen peroxide sterilizing agent.

Comprehensive Tuttnauer Consumables



Process Challenge Indicators PLZ198-0002

Type 4 Chemical Indicator for monitoring Plasma or Vaporized Hydrogen Peroxide sterilization processes



Super Rapid (30 minutes) WTL198-0067

Self-Contained Biological Indicator - For Plasma sterilization processes.



H2O2 Bottles PLZ094-0049

PlazMax Sterilizing Agent (H2O2)



Mini-Bio Auto Reader WTL198-0057

Compact design, allows incubating 3 indicators simultaneously, in different incubation times, at the same temperature.



Process Challenge Indicator PLZ198-0003

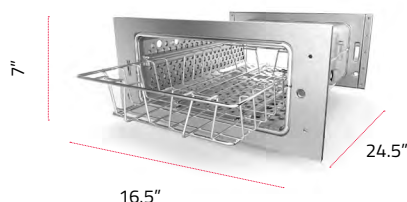
Type 1 process indicators. Self-adhesive tape, placed outside the pack for differentiating between processed and unprocessed loads.

Technical Specifications

Model	Chamber Volume Liters	External Dimensions (WxHxD/D 2-doors) inch	No. of Baskets (WxD Inch)	Power (W) Current (A)	Voltage (V) 3 Phase 50-60 Hz
P50	47	27.6 x 60.1 x 28.7 / 28.9	1 (15.7x23.6)	3100 W 13.5 A	208 V
P110	109	27.6 x 69.6 x 28.7 / 28.9	2 (15.7x23.6)	4300 W 18.7 A	208 V
P160	162	27.6 x 69.6 x 40.5 / 40.7	2 (15.7x35.4)	4300 W 18.7 A	208 V

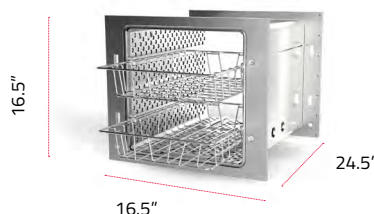
PlazMax P50

47 Liter Chamber



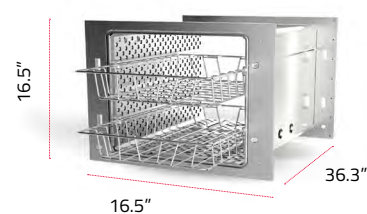
PlazMax P110

109 Liter Chamber



PlazMax P160

162 Liter Chamber



PlazMax - Excellent Quality, Excellent Results

PlazMax complies with strict international standards and directives, to ensure quality and effective sterilization:

▪ ISO 9001:2015 ▪ ISO 13485:2016 ▪ ISO 14937 ▪ EN 61010-2-040:2015 ▪ EN 60601-1:2006/AC:2010

Medical Device Directive 93/42/EEC

The PlazMax Sterilization Line can be used for applications and instruments that are suitable for plasma sterilization, as per manufacturer's guidelines.

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