



Partnership

Plasma Low Temperature
Sterilization with vaporized
hydrogen peroxide



High Speed & Low Temperature Sterilization

For heat and moisture sensitive equipment

PlazMax provides a flexible sterilization solution for heat & moisture sensitive equipment in CSSDs, Medical Clinics, and Gastroenterology & Respiratory Endoscopy Clinics. Low temperature sterilization is fast, safe and cost-effective with the PlazMax, a plasma sterilizer designed for heat & moisture sensitive medical devices using a safe vaporized hydrogen peroxide sterilant. Its speed and space-efficient chamber (up to 109 litres) process high volumes efficiently, with equipment available for immediate use after sterilization.



PlazMax Line

PlazMax can sterilize a wide range of instruments including endoscopes, cameras and more. When placed in operating and procedure rooms PlazMax benefits you with almost immediate access to sterilized equipment, due to its simple control, only requiring electricity and sterilant to operate. Sensitive equipment can be sterilized on-site without sending it to a central sterilization department, eliminating the risk of damage and contamination in transit.

Wide Choice

Choose from 3 models with chamber sizes from 47 to 109 Liters

Non-Lock In

Use free market accessories such as indicators, pouches & rolls, etc.

Full Package

Plasma sterilizers, PCD kits, biological and chemical indicators, incubator, pouches & rolls, chemical tape, etc.

Lumens PCD (Process Challenge Device) Kit

Be certain your lumen loads are fully exposed to the vaporized hydrogen peroxide sterilant with Tuttnauer's PCD kit whose lumens are more difficult to penetrate. The PCD Kit includes 1mm diameter lumens with lengths of 4m (both sides open) and 1.4m lumens (one side open).

Clean Technology

- Non-toxic sterilizing agent
- Minimal utility requirements – low electricity consumption, no water consumption
- The sterilization process results in water and oxygen by-products

Benefits

- Simple and safe installation only requiring single phase 230V electrical connection
- Built-in Leakage test cycle
- Optional PCD Kit available

Safety Features

Tuttnauer strives to provide sterilizers that ensure safety for patients, staff, and the environment. Safety features include:

- No hazardous or odorous emissions
- Low temperature and low pressure during sterilization
- Door is locked during cycle operation

Monitoring and Control

The PlazMax features a user-friendly, microprocessor based control system which offers enhanced monitoring and control, and features:

- Easy to read 5" touch screen
- User-friendly interface that indicates cycle stage and elapsed time
- Biological and chemical indicators housed in vials are used for Routine Control

Documentation

The PlazMax sterilizer is equipped with a built-in matrix printer to document the performed cycle.

Validation

The PlazMax is able to perform independent validation according to the ISO 14937 with an optional validation kit. Each phase of the cycle is validated. The validation kit includes:

- Temperature and pressure sensors
- PC software



Sterilization Cycle and Test Programs

Model	Normal Cycle Time (min.)	Advanced Cycle Time (min.)	Endoscope Cycle** Time (min.)
	Non-hollow loads	Hollow loads	Two endoscopes
P50	35 min.	40 min.	25 min.
P80	35 min.	40 min.	25 min.
P110	45 min.	50 min.	30 min.

Test Cycles	Description
Test I	Penetration Test
Test II	Leakage Test
Test III	Leakage + Penetration test

** Endoscope cycle temperature = 40°C (close to human body temperature)

Standards and Directives

PlazMax has been developed according to the following international standards and directives (partial list):

Standards

• ISO 9001:2008 • EN ISO 13485:2003 • EN ISO 14937 • EN 61010-2-040 • EN 61010-2-042

Directives

• EU Directive 2006/95/EC • EU Directive 2004/108/EC • EU Directive 2006/42/EC • 93/42/EEC • CE Medical Device Mark 0344

Technical Specifications

Model	Volume (Liter)	Temp. (°C)	Door	Tray Size W x L (mm)	Power (kW)	Voltage (V) (50/60 Hz)
P50	47	< 55	1 or 2	400x600	2.9	230 V (1 Phase)
P80	83	< 55	1 or 2	400x600	3.0	230 V (1 Phase)
P110	109	< 55	1 or 2	400x600	5.0	230 V (1 Phase)

Your Sterilization & Infection Control Partners

Company Profile

For over 85 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 110 countries, Tuttnauer has earned global recognition as a leader in sterilization and infection control.

PlazMax Line

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