

Desktop Steam Sterilizer

Reliable B Class Steam Sterilizers accordance with EN 13060+A1 :2019 and ISO 13485:2016. TEK-BAL Desktop Steam Sterilizer is designed to sterilize autoclavable materials like metal instruments, textiles, plastics, glassware used in dental clinics, laboratories, small clinics, public health centers where you need sterilization.

We provide combination of B Class, N Class and S Class " Steam Sterilizer " with stainless steel, passivated and electropolished vessel construction with programmable control choices.

- Latest technology operator panel
- Precise and powerful vacuum system (-0.90 Bar)
- The lock system with double control
- USB port for digital report of cycle as standard
- Optionally Mini-Thermal Printer

Why choose a TEK-BAL STR Series Desktop Sterilizer ?

- Have been producing only " Steam Sterilizers " for more than 40 years, provide a minimum 10-year parts and service guarantee.
- Proven performance guarantee with " inspection " by accredited laboratory " Hygcen " and " LVT " according to EN 13060+A1 : 2019, Low Voltage Directive and Electromagnetic Compability tests.
- User friendly technology with clear LCD screen and fully automated operation allows medical staff can use our steam sterilizers without needing previous technical qualifications.
- Digital monitoring of pressure and temperatures,nelectronic and mechanical safety systems. Advanced alarm system for utilities.
- Double head vacuum pump provides fast cycle time, more reliable sterilization and more dried materials at the end of the cycle.
- Well designed chamber dimensions, low operating cost, fast cycle times provide peak performance, maximizing productivity and efficiency.
- Engineered green technologies provides reduced water and energy consumptions.

Validated Design and Performance by "Hygcen Austria"

All substances required in the EN 13060+A1 : 2019 standard were validated by " Hygcen Austria " and a " Type Test Inspection Report " was given as a result. TEK-BAL Sterilizers have an excellent sterilization and drying feature thanks to its advanced design with 40 years of experience. Many criteria such as empty chamber heat penetration performance, half and full load sterilization, have been validated for the cycles used in the sterilizer. Drying performances have been validated. Materials measured 1% lighter than before sterilization at end of the sterilization cycle. The quality of sterilization is assured.



USB Memory records the log of cycle by USB as standard and RS232 to allow complete recording of the cycle on thermal printer optionally

Test Cycles

- Vacuum Leak Test Cycle
- Helix Test Cycle (134 °C)
- Bowie-Dick Test Cycle (134 °C)

Sterilization Cycles

- Emergency Cycle (134 °C)
- Solid Cycle (134 °C)
- Hollow Cycle (134 °C)
- Prion Cycle (134 °C)
- Solid Cycle (134 °C)
- Hollow Cycle (121 °C)
- Glass Cycle (121 °C)
- Tampon Cycle (121 °C)
- 1 User Defined Sterilization Cycle

Technical Features

Chamber Volume (Liter)	23 L
Chamber Dimensions	(Ø)250 x 450 mm
Loading Capacity	4 - 7 Kg
Sterilization Temperatures	121°C & 134 °C
Water Consumption Of Cycle	0,17 ± 0,01 cm ³
Clean Water Tank Capacity	4 L
Waste Water Tank Capacity	3,75 L
Noise	<45 dB
Weight	50 Kg
External Dimensions (Lx W x D)	450 x 460 x 575 mm
Maximum Power	1600 VA
Operating Voltage	220 VAC-1P (50-60 Hz)

Hardware Features

Operation System	Microprocessor Controlled
Water Feeding	Automatic with Water Pump
Steam Generator	Built-in Steam Generator
Jacket System	Electric Heater
Vacuum Pump Type	Double head Vacuum Pump
Display Type	128x64 Pixel LCD Screen
Printer	42 Character / Line Thermal Printer
Communication	RS 232, USB
Utility Sensors	Electricity and Water Sensor
Warning System	Auditory & Visual
Security	Electronical & Mechanical
Steam Connections	Stainless Steel Tube and PTFE Tube
Valve Type	Solenoid Valve for Steam
Language Options	English / French / Spanish Portugues / Italian / Russian / Turkish

Material Specifications

Sterilization Chamber	Aisi 304L Stainless Steel
Steam Generator	Aisi 304L Stainless Steel
Chamber Door	Aisi 304L Stainless Steel
Polishing Method	Electropolish After Pasivation
Heat Insulation	Wool of Stone
Out Body	Electrostatic powder coated



Standard Features

- 3 x Loading Rack
- Digital Report with USB
- Double Head Vacuum Pump
- Steam Type Solenoid Valves
- A Class PT100 Temperature Sensor
- Digital Pressure Sensors
- Water Sensor
- Electricity Sensor
- Built-in Steam Generator
- Thermic Overload Protection
- Hepa Filter (EN1822 - H14 Class)

Optional Features

- Report with Thermal Printer
- 5 x Loading Rack



Longer Lifetime
Nonwelding Stainless Steel
Chamber and Door



Double Lock System
Mechanic and Electronic



Double-Head
Vacuum Pump
Up To -0.90 Bar

Compatible Directives And Standarts

Medical Devices Directive MDD/93/42/EEC
 Pressurized Equipment Directive PED 2014/68/EU
 IEC EN 60601-1:2009+A1:2014+AC:2011+A12:2015+A1/AC:2014
 EN 13060+A1:2019, EN ISO 17665, ISO 9001, ISO 13485
 TS EN 60601-1-2:2016, TS EN 61000-4-2, TS EN 61000-4-3
 TS EN 61000-4-4, TS EN 61000-4-6, TS EN 61000-4-8
 TS EN 61000-4-11, TS EN 61000-3-2, TS EN 61000-3-3
 TS EN 55011, TS EN 61010-2-040:2016, TS EN 61326-1:2013

