

STERILIZATION & LIFE SCIENCE SOLUTIONS

LABSCI Steam Sterilizers





TUTTNAUER LABSCI AUTOCLAVES

Now more than ever, it is critical to sterilize your laboratory's equipment, materials and hazardous waste. That is what Tuttnauer's LabSci Autoclave series is all about.

Our benchtop sterilizers provide a fast, safe, dependable and convenient means of sterilizing liquids, media, instruments, glassware, clothing and waste. The line includes a wide range of models from our manually controlled analog models to our electronically controlled models with built-in printers for GLP-compliant documentation.

2 YEAR WARRANTY | FREE INTERNAL PRINTER

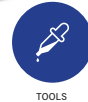


ELECTRONIC LABSCI BENCHTOP AUTOCLAVES

Designed to autoclave wrapped, unwrapped, glass and tools. Not suitable for liquids

Sterilization time up to 99 minutes

- Temperature selection from 105° to 137°C (221° to 279°F)
- Pre-loaded cycles for unwrapped instruments, wrapped/packs, glassware and additional drying cycle.
- Includes trays
- EAP Models allow closed door drying
- In-line particle filter to protect valves
- Electronic pressure and temperature sensors
- Low Water Alarm - sounds when reservoir needs to be refilled.

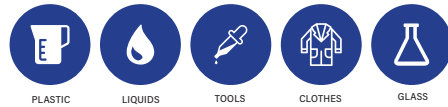


- Standby Heating - keeps chamber warm for quicker cycles
- Built In Printer - Provides a printed summary at the end of each cycle, documenting temperature, elapsed sterilization and drying time, selected cycle number, real time and date, as well as any errors or interruptions that may occurred during the cycle.

	LABSCI 9	LABSCI 10
Chamber Volume (L)	19	23
Max Available Height (in)	6.75"	8.3"
Chamber Dimension (in)	9" x 18"	10" x 18"
External Dimension (in)	20" x 15" x 20"	20" x 15" x 20"
Power	120V	120V
Utilities	No Plumbing Required	

	LABSCI 12	LABSCI 15
Chamber Volume (L)	34.4	65
Max Available Height (in)	10.1"	12.1"
Chamber Dimension (in)	12.2" x 18.5"	15" x 20"
External Dimension (in)	23.5" x 18" x 21.5"	26" x 21" x 27"
Power	230V, 1 phase (60 Hz NEMA 6-15) ☹️	230V, 1 phase (60 Hz NEMA 6-15) ☹️
Utilities	No Plumbing Required	

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LABSCI BENCHTOP AUTOCLAVES

Designed to autoclave everything in your lab, including liquids.

- No water utility connections needed, just plug in and add water.
- Two integrated temperature probes for complete sterilization of liquids
- Four validated cycles (glass, plastic, liquid A and liquid B-waste).
- Stores up to 200 past cycles you can open on your PC
- Create up to 16 custom cycles
- Trays Included
- Optional Biohazard filter (BH) prevents contaminated air from exhausting into the lab

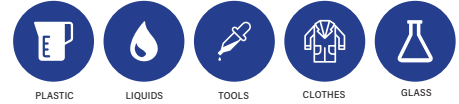
Options that are available on all "LabSci" models include: Warming (95° to 104°C), Isothermal (80° to 94°C) F₀, 21 CFR with R.P.C.R software, Biohazard filter and over pressure cycle to ensure sealed bags and containers do not break during the sterilization cycle.

	LABSCI 11L	LABSCI 15L	LABSCI 15L+
Chamber Volume (L)	28	65	85
Max Available Height (in)	9"	12.1"	12.1"
Chamber Dimension (in) (Øxd)	11" x 8"	15" x 19.7"	15" x 27.2"
External Dimensions (in) (wxhxd)	20.9" x 17.3" x 24.8"	28.3" x 21.3" 30.1"	28.3" x 21.3" x 37"
Power	230V, 1 phase (60 Hz) NEMA 6-15 ⚡	230V, 1 phase (60 Hz) NEMA 6-15 ⚡	230V, 3 phase (60 Hz) L15-30 ⚡
Utilities	No plumbing required		
Autoclave Stand	N/A	Free with Autoclave	Free with Autoclave

2 YEAR WARRANTY | FREE INTERNAL PRINTER



LABSCI VERTICAL AUTOCLAVES



Designed to autoclave everything in your lab, including liquids.

- No utility connections needed (models 11L-V and 15L+V) just plug in and add water
- Two integrated temp. probes to ensure the liquid is completely sterilized
- Four validated cycles (glass, plastic, liquid A and liquid B-waste)
- Stores up to 200 past cycles you can open on your PC
- Create up to 16 custom cycles
- Two baskets included
- Optional biohazard filter (BH) prevents contaminated air from exhausting into the lab

Options that are available on all "LabSci" models include: Warming (95° to 104°C), Isothermal (80° to 94°C), F₀, 21 CFR with R.P.C.R software, Biohazard filter and over pressure cycle to ensure sealed bags and containers do not break during the sterilization cycle.

	LABSCI 11L-V	LABSCI 15L+V
Chamber Volume (L)	28	85
Max Available Height (in)	15.5"	25"
Chamber Dimensions (in) (Øxd)	11" x 18"	15" x 27.2"
External Dimensions (in) (wxhxd)	21.3" x 38.6" x 17.3"	28.7" x 39.4" x 21.3"
Power	230V, 1 phase (60 Hz) NEMA L15-30	230V, 3 phase (60 Hz) NEMA L15-30
Utilities	No plumbing required	



Erlenmeyer Flask (ml) Loading Capacity

	250	500	1000	2000	3000	5000
LABSCI11L-V	2 x 5	2 x 3	1	1	1	1
LABSCI15L+-V	3 x 12	3 x 8	2 x 5	2 x 2	2 x 1	1

Schott-Duran Flasks (ml) Loading Capacity

	250	500	1000	2000	3000	5000
LABSCI11L-V	2 x 8	2 x 3	1	1	1	1
LABSCI15L+-V	3 x 19	3 x 12	2 x 8	2 x 2	2 x 1	1

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LABSCI 15L+WS

Independent from Utilities

- Plug & Play with internal reservoirs - No need to connect the autoclave to the building utilities for distilled water, tap water and drain
- Pre & Post Vacuum for faster more efficient air removal (tubing, glassware, pouches, and wrapped garments)
- Built-in steam generator and vacuum pump for complete drying
- Water Saving System - Use only 5 liters of water a day
- Free standing with built-in swivel wheels for mobility
- Optional Biohazard filter (BH) prevents contaminated air from exhausting into the lab



PLASTIC



LIQUIDS



TOOLS



CLOTHES



GLASS

Options that are available on all "LabSci" models include: Warming (95° to 104°C), Isothermal (80° to 94°C), F₀, 21 CFR with R.P.C.R software, Biohazard filter and Over Pressure Cycle to ensure sealed bags and containers do not break during the sterilization cycle.

LABSCI 15L+WS

Chamber Volume (L)	85
Max Available Height (in)	12.1"
Chamber Dimension (in)	15" x 27.2"
External Dimension (in)	28.3" x 53.7" x 46.9"
Power	230V, 3 phase (60 Hz)
Utilities	No plumbing required

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VIRUS DEFENDER

LABSCI 11L-PVGC AUTOCLAVES



LabSci Autoclaves with Cooling Coils "C", Vacuum Pump "PV" and an integrated steam generator "G"

- Steam generator for heat on demand and quicker heat up times.
- Pre & Post Vacuum for faster more efficient air removal (tubing, glassware, pouches, wrapped tools or garments)
- Cooling Coils decreases cool down time by 75%
- Steam generator with post vacuum for complete drying
- Optional Biohazard filter (BH) prevents contaminated air from exhausting into the lab



Options that are available on all "LabSci" models include: Warming (95° to 104°C), Isothermal (80° to 94°C), F , 21 CFR with R.P.C.R software, Biohazard filter and Over Pressure Cycle to ensure sealed bags and containers do not break during the sterilization cycle.

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	LABSCI 11L-PVGC
Chamber Volume (L)	28
Max Available Height (in)	9"
Chamber Dimesion (in)	11" x 18"
External Dimension (in)	20.9" x 17.3" x 29.9"
Power	230v, 1 PHASE (60 Hz) NEMA 6-15 ⏻
Utilities	Treated Water, Tap Water, Compressed Air and Floor Sink

Erlenmeyer Flask (ml) Loading Capacity

	250	500	1000	2000	3000	5000
LABSCI 11L-PVGC	1 x 9	1 x 4	3	0	0	0

Schott-Duran Flasks (ml) Loading Capacity

	250	500	1000	2000	3000	5000
LABSCI 11L-PVGC	1 x 12	1 x 9	1 x 5	0	-	0

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TUTTNAUER AUTOCLAVES -

Tuttnauer sterilizers require general maintenance and cleaning. A sterilizer often requires regulatory compliance at some local, or federal standard based on the application within the operation of the unit. Our factory trained technicians are here to provide basic product upkeep, and to support your sterilizer through a variety of services outlined below:

Preventive Maintenance (with or without calibration recommended yearly on-site or in-house)

- Replacement of Chamber Brite, safety valve, safety valve holder, door bellow, door gasket, clean water electrode, strainer, and inspect the reservoir and piping
- Solenoid Valves are checked for proper operation
- Safety features are tested
- Preventive maintenance agreements come with discount on parts

IQ/OQ (recommended)

- Documented proof that facilities and equipment have been delivered and installed, in accordance with the requirements and safety regulations stipulated in the design qualifications
- Consists of:
 - IQ/OQ test plan and report
 - Temperature and pressure mapping

PM with calibration

- Everything included with the PM service, plus temperature and pressure calibration with empty chamber temperature mapping
- A total of three cycles with probes will be run

IQ/OQ/PQ

- Documented proof that utilities and equipment have been delivered and installed, in accordance with the requirements and safety regulations stipulated in the design qualifications
- Consists of:
 - IQ/OQ/PQ all testing and reports in the IQ/OQ plus a half and full load cycle tests
 - Please contact Heidolph to discuss your PQ needs to structure the load testing to meet your application



Learn from our experts.
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