





EQUIPPED WITH MAINTENANCE ROLLERS AS A STANDARD FEATURE





LID CLIP ABSOLUTELY SECURE WITH INFLATABLE SEAL AND TIGHTNESS CONTROL

VERTICAL AUTOCLAVE LOADING CAPACITY (in pieces)

Er I En mEy Er FI ASkS SCHOTT medium bottles	250 ml	500 ml	1000 ml	2000 ml	5000 ml
LVSA 40/60	42 / 28	26 / 16	18 / 10	8 / 6	2/1
LVSA 40/75	63 / 42	39 / 24	27 / 15	8 / 6	2/1
LVSA 50/60	74 / 46	46 / 30	32 / 18	16 / 10	8/3
LVSA 50/70	111 / 69	69 / 45	48 / 27	16 / 10	8 / 6

LVSA-Series	40/60	40/75	50/60	50/70
External diameter in mm (WxHxD)	550 x 1010 x 853	550 x 1160 x 850	750 x 1060 x 948	750 x 1160 x 948
Chamber volume in liters	80	96	133	153
Effective space in mm (Ø x H)	400 x 625	400 x 770	500 x 655	500 x 755

Easy-to-use color touchscreen

- All autoclaves are equipped with an ergonomic and easy-to-use color touchscreen.
- ▶ 12 programs with preset standard parameters for solids, liquids, solid waste and liquid waste.
- ▶ The parameters can be adjusted, they are password protected.
- Four user levels available.



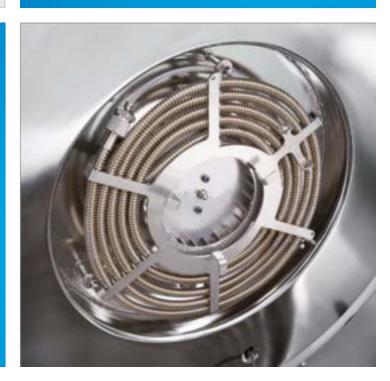


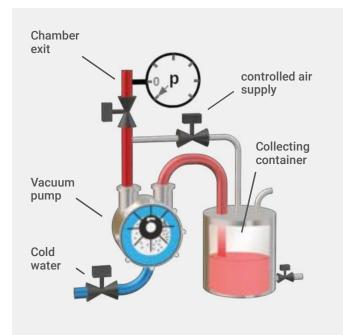
For back-friendly loading and unloading of the sterilization chamber

- Lifting and pivoting mechanism with electric drive. Lifting capacity 30 kg.
- ▶ The pivoting arm can be used to place the sterile materials next to the autoclave.
- ▶ Rotates 360°. Can be mounted on the left or right side of one device; when using two systems, one pivoting arm can be used for both.

Fast and water-saving cooling of liquid media

- ▶ We provide cooling where it is needed. In the chamber, through an internal heat exchanger.
- The rapid water recooling system with magnetically air-circulating fan ensures fast and water-saving cooling of liquid media in open and closed containers to a safe removal temperature, without loss of medium.



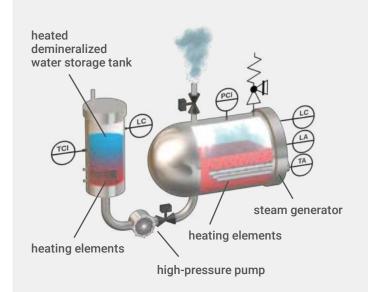


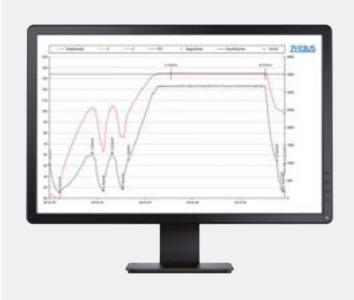
High-performance vacuum pump

- Vacuum pump for optimal ventilation of the sterilized materials. This fulfills the basic requirement for safe saturated steam sterilization that can be validated.
- In addition, solids are dried at the end of the sterilization cycle. This is aided by heating of the jacket.
- ▶ Simple and fractionated vacuum.
- ▶ Low noise operation.

Steam generator

- ▶ Compact and high-performance, integrated in the autoclave.
- ▶ For avoiding non-condensable gases (NCG) with heated demineralized water tank.
- ▶ The water level control is performed by means of a wear-resistant level sensor
- ▶ Energy efficient, optimally insulated, low heat radiation
- Optimal ratio of the amount of water and heating power. For optimal steam quality and short heating times.





"SteriLog" documentation software

- ▶ A PC can be directly connected to the Ethernet interface. All important process steps can be recorded using software specially optimized for Windows.
- ▶ They are then displayed in the form of a color diagram and value table.

DESCRIPTION OF THE INDIVIDUAL COMPONENTS



STEAM GENERATOR

The steam generator is integrated in the housing, separate from the sterilization chamber, and ensures rapid heating and cooling, in comparison to conventional heating systems.

VACUUM PUMP SET

To mechanically remove air and dry in a vacuum. Possible methods include single-stage prevacuum (VOVV), fractionated prevacuum (FRVV), constant or pulsating drying under a vacuum.

● LIFTING AND PIVOTING MECHANISM

The lifting and pivoting mechanism makes it easier to load and unload vertically loaded autoclaves. Loaded baskets are lifted into and out of the chamber using a crane mounted on the autoclave. The load capacity is 30 kg.

PASS-THROUGH MODEL

All horizontal floor-standing autoclaves can be supplied, if desired, as pass-through autoclaves with a gas-tight partition (bioseal). Using an optional display on the unloading side, the autoclave can be fully operated from both sides.

EXHAUST AIR FILTRATION

For the sterilization of pathogenic substances in level S2/S3 laboratories, a steam-sterilizable exhaust air filter (retention rate for gases: 0.01 μm), with inline condensate sterilization is stipulated.

TRANSPORT/BATCH CARTS

For all horizontal floor-standing autoclaves, transport and batch cards are available for easy loading and unloading of the sterilized material.

• TOUCH DISPLAY (STERITOUCH CONTROL)

Simple, intuitive operation is made possible through the color touch screen which is installed as a standard feature. Together with user-friendly software, the autoclave can be operated in an easy and quick but also highly variable manner. Exactly what you need for your daily work routine in research.

STEAM-AIR MIXTURE METHOD

For the sterilization of securely closed bottles and pres-suresensitive materials, such as blister packaging. Additional support pressure prevents the closed vessels from bursting. Precise temperature control and distribution is achieved using an additional temperature sensor, air deflectors and an aircirculating fan.

RAPID WATER RECOOLING SYSTEM WITH AIR-CIRCULATING FAN

For the sterilization of liquids, the recooling time can be shortened by more than 80% with the use of rapid water recooling system, in comparison to self-cooling. This is due to an inter-nal heat exchanger, known as a "fast cooler," through which water flows.

ACCESSORIES

We offer stainless steel sterilization baskets, pails and containers which fit our various chamber designs.

DOCUMENTATION

Available in three versions to fit your needs.



BATCH PRINTER

Paper-cutter. Generates an informative paper printout with all relevant data at the end of the process.



STERILOG

BATCH DOCUMENTATION SOFTWARE

Windows-based software automatically reads the process data from the autoclave and processes these data into a graphic and numeric PDF log (direct coupling with an Ethernet interface RJ45).



USB MEMORY CARD

To record process data on a USB stick at an integrated USB socket of the autoclave. Includes "SteriLog" evaluation software.



SERVICE

We offer you outstanding service. Our employees regularly take part in training sessions to make high-quality service possible.

HOTLINE

Our technical hotline will assist you regarding operation and if you are having system- or process-related problems.

If you need us, we can get to you within 24 hours.

REPLACEMENT PARTS

Replacement part deliveries are processed immediately, such that delivery is usually made on the same day.

CONSULTATION

We can provide you with advice regarding your project and draw on our experience to assist you. Sample sterilizations can also be carried out in our application laboratory.

OUR SERVICES INCLUDE:

- Delivery, installation and training
- Calibration with DKD (German Calibration Service)-tested measuring instruments
- Qualification DQ / IQ / FDS, SDS, HDS / OQ / PQ according to GmP guidelines
- Maintenance and Service
- Validation according to recognized guidelines
- Customized process development and optimization
- Sterilization and drying on a contract basis in our own application laboratory





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