



LABOKLAV

Autoclaves Made in Germany



LABOKLAV STEAM STERILIZERS



Steam sterilization is the sterilization method with the widest range of applications – efficient, safe, reproducible and environmentally friendly.

All SHP Steriltechnik AG autoclaves work based on this principle and are characterized by innovative technical ideas. A wide range of chamber sizes between 25 l and 195 l, universal installation options as a free-standing or tabletop unit and numerous configurations provide individual solutions meeting your specific requirements. Typical areas of application for our units include all microbiological laboratories in research institutions, universities, quality controls in the pharmaceutical and food industries as well as waste sterilization, for example in the field of medical diagnosis.

Laboklav series autoclaves are characterized by their reliability and quality. We manufacture our products exclusively in Germany to high and continuously monitored quality standards. Our units are TÜV-certified and approved for series production and bear the CE mark. They comply with the following standards:

- ◆ Pressure Equipment Directive 97/23/EU
- ◆ DIN 58950: Sterilization - Steam sterilizers for pharmaceutical products
- ◆ DIN 58951: Sterilization - Steam sterilizers for laboratory use

As your steam sterilization partner, we are always on hand to advise you and offer:

- ◆ Comprehensive advice
- ◆ User training, including on your own premises
- ◆ IQ / OQ / PQ / DQ
- ◆ Technical support from trained and authorised service technicians

LABOKLAV 25



Technical specifications

Chamber volume	25 l
Chamber dimensions (Ø x D)	265 x 465 mm
Outer dimensions (W x H x D)	440 x 540 x 660 mm
Space required on worktop (W x D)	440 x 540 mm (plus 110 mm door overhang)
Weight	approx. 65 kg
Max. allowable pressure (PS)	2,8 bars
Max. allowable temperature (TS)	143 °C
Heating power	2 KW
Electrical connection	230V ~, 50 Hz, 16 A, alternating current
Sterilization temperature	98 – 135 °C, adjustable

The extremely compact and space-saving tabletop autoclaves in the LABOKLAV 25 series provide you with many options available from a large tabletop unit:

- ◆ Sterilization of liquids in open or slightly closed bottles, also available with an air recooling system
- ◆ Instrument sterilization, also with pre-vacuum and drying vacuum
- ◆ Waste sterilization at 134 °C (thermal inactivation)
- ◆ Optional exhaust air filtration

A unique design meets innovative technical solutions with optimal utilisation of the chamber volume. Our autoclave provides you with space for up to five 1 l standard laboratory flasks including caps. The chamber lid made of temperature-proof safety glass and the front cover made of safety glass allow you to visualize the processes in the chamber. LEDs illuminate the interior of the chamber and coloured LED operating lights indicate the unit's current status.

Laboklav 25 series autoclaves stand for easy operation and handling. Once the chamber door is pressed slightly after loading, it can be locked by a motor at a press of a button. A tank built into the unit, separated into 2 areas with level sensors, acts as a reservoir for the feed water as well as a collection point for the condensate. Both can be emptied separately. In all liquid programmes, the temperature in the liquid is controlled by an integrated flexible PT100 reference sensor which prevents the chamber door from being opened at an excessive media temperature (thermo locking device in accordance with IEC 61010-2-43).

Configurations

LABOKLAV 25B	basic unit
LABOKLAV 25M	with rapid recooling
LABOKLAV 25V	with vacuum system
LABOKLAV 25MV	with rapid recooling and vacuum system

All processes are fully automatic and controlled by a microprocessor. A clear and logically structured control panel facilitates unit operation. The internal 4 MB memory chip allows you to archive your cycle data quickly and easily. A dot-matrix printer is available as an option for automatic cycle documentation.

Loading capacity for standard laboratory bottles

Volume	Quantity
250 ml	12
500 ml	9
1000 ml	5