

LABOKLAV

Laboratory autoclaves for highest demands





Michael Sporys

The SHP Group consists of a total of eight companies, with SHP Steriltechnik AG serving as the parent company. It includes SHP Wassertechnik GmbH, SHP Services GmbH, SHP Electronics GmbH, SHP Scientifique SAS, SHP Scientific Ltd., SHP Steriltechnik Polska Sp. z o.o., and SHP Umwelt und Energie GmbH. We provide a comprehensive service around the clock, 365 days a year, in the fields of sterilisation technology, water technology, electrical engineering, as well as environmental and energy solutions.

SHP Steriltechnik AG has been a well-established and successful company in the field of steam sterilisation equipment for many years, particularly with our LABOKLAV series autoclaves. Our guiding principle, „Affordable – yet of high quality“, reflects our commitment to both quality and cost-effectiveness. Through extensive investment in research and development, we have expanded our product range and now also offer the Labomag series magnetic stirrers as an additional component of essential laboratory infrastructure.

As a manufacturer, we provide state-of-the-art, durable sterilisation systems and autoclaves, including laboratory autoclaves specifically developed for microbiological laboratories in universities, research institutes, the food industry, and the pharmaceutical sector. Our solutions ensure the safe and efficient elimination of microorganisms, preventing contamination risks. For scientific institutions and laboratories,

the LABOKLAV series steam sterilisers enable reproducible sterilisation processes. Our solutions are flexible and adaptable, making a crucial contribution to safety, efficiency, and product quality – both in research and industrial applications.

The LABOKLAV series autoclaves are distinguished by their reliability and quality. Our equipment is TÜV-certified, has series approval, and bears the CE mark.

They comply with, among others, the following standards:

- ◆ Pressure Equipment Directive 2014/68/EU
- ◆ DIN 58950: Sterilisation – Steam sterilisers for pharmaceutical sterilisation goods
- ◆ DIN 58951: Sterilisation – Steam sterilisers for laboratory sterilisation goods

As your competent partner in steam sterilisation, we are always at your side with expert advice and offer:

- ◆ Comprehensive consultation
- ◆ User training, including on-site at your facility
- ◆ IQ / OQ / PQ / DQ validation
- ◆ Technical support from trained and authorised service technicians



Michael Sporys
Board of Directors

Made in Germany.

Laboratory autoclaves

with a round chamber.

Autoclaves with round chambers offer even heat distribution and efficient sterilisation through optimised steam circulation. Their rounded design allows for optimal space utilisation. Additionally, they are easy to clean and ensure uniform pressure distribution, enhancing safety while reducing material costs – making them ideal for consistent sterilisation and easy maintenance.

A wide range of chamber sizes from 25 litres to 195 litres, flexible installation options as both benchtop and freestanding units, and various configuration choices allow for customised solutions tailored to your specific requirements.

Our cylindrical-chamber sterilisers are manufactured exclusively in Germany under strict and continuously monitored quality standards.

Typical applications for our equipment include all microbiological laboratories in research institutes, universities, and quality control facilities in the pharmaceutical and food industries, as well as waste sterilisation in areas such as medical diagnostics.



LABOKLAV 25

Space-saving

and powerful.



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 550 mm (plus 110 mm door overhang)
Weight	approx. 65 kg
Max. allowable pressure (PS)	2,8 bar
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 Benchtop Autoclaves of the LABOKLAV 25 Series Offer Many of the Capabilities of a Larger Benchtop Unit:

- ◆ Sterilisation of liquids in open and lightly sealed containers, including with an air recooling system
- ◆ Instrument sterilisation, with pre-vacuum and drying vacuum options
- ◆ Waste sterilisation at 134 °C (thermal inactivation)
- ◆ Optional exhaust air filtration

A unique design meets innovative technical solutions, ensuring optimal use of chamber volume. Our autoclave provides space for up to five 1-litre standard laboratory bottles, including lids.

The chamber lid, made of temperature-resistant safety glass, and the front cover, also made of safety glass, allow observation of the processes inside the chamber. LED lighting illuminates the chamber interior, while coloured LED status indicators display the current operating status of the device.

The Laboklav 25 series autoclaves are designed for easy operation and handling. After loading, the chamber door is gently pressed shut and motorised locking is activated at the push of a button. An integrated tank, divided into two sections with level sensors, serves as a reservoir for feed water and a collection point for condensate, both of which can be emptied separately. In all liquid sterilisation programmes, the temperature within the liquid is monitored by an integrated flexible PT100 reference sensor, which prevents the chamber door from opening if the medium temperature is too high (thermal lock in accordance with IEC 61010-2-43).

Configurations

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

Each configuration is optionally available with an exhaust air filtration (FA) system.

All processes run fully automatically and are microprocessor-controlled. The system features a 32-bit platform with a multi-colour touchscreen, at least 16 GB of internal storage, and an additional membrane keypad with clear symbols.

All process data, error messages, and programmes are displayed clearly, can be customised, and are automatically saved as PDFs. Data transfer is carried out via USB, with automatic copying to a USB stick. Additionally, an optional needle printer is available for further automatic cycle documentation.

Loading capacity for standard laboratory bottles

Volume	Quantity
250 ml	12
500 ml	9
1.000 ml	5