

VARIOKLAV®



GreenLine
Laboratory autoclaves



GreenLine Laboratory autoclaves

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The GreenLine

With the VARIOKLAV® GreenLine a new product line comes onto the market for floor-standing and table-top appliances, which takes over all the essential product advantages of the successful and proven ClassicLine including the central quick-release fastener.

It also offers state-of-the-art technology, functional product details and an easy-to-use touch-screen control system.

Perks

The VARIOKLAV® GreenLine offers:

- Long service life due to low-wear fittings
- A large usable volume on a small footprint and a low overall height
- No on-site connections - except for power
- Problem-free installation and fast commissioning
- Simplest handling and operation
- External heating on the floor-standing unit, therefore usable space without fixtures and without wear
- Available module options such as cooling and exhaust air filtration with condensate sterilization



Space-saving and effective

The table-top autoclaves are equipped with a space-saving swing door and have small basic depths as well as a compact design and large working spaces.

The devices enable convenient loading from the front when set up at table height.



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Safety

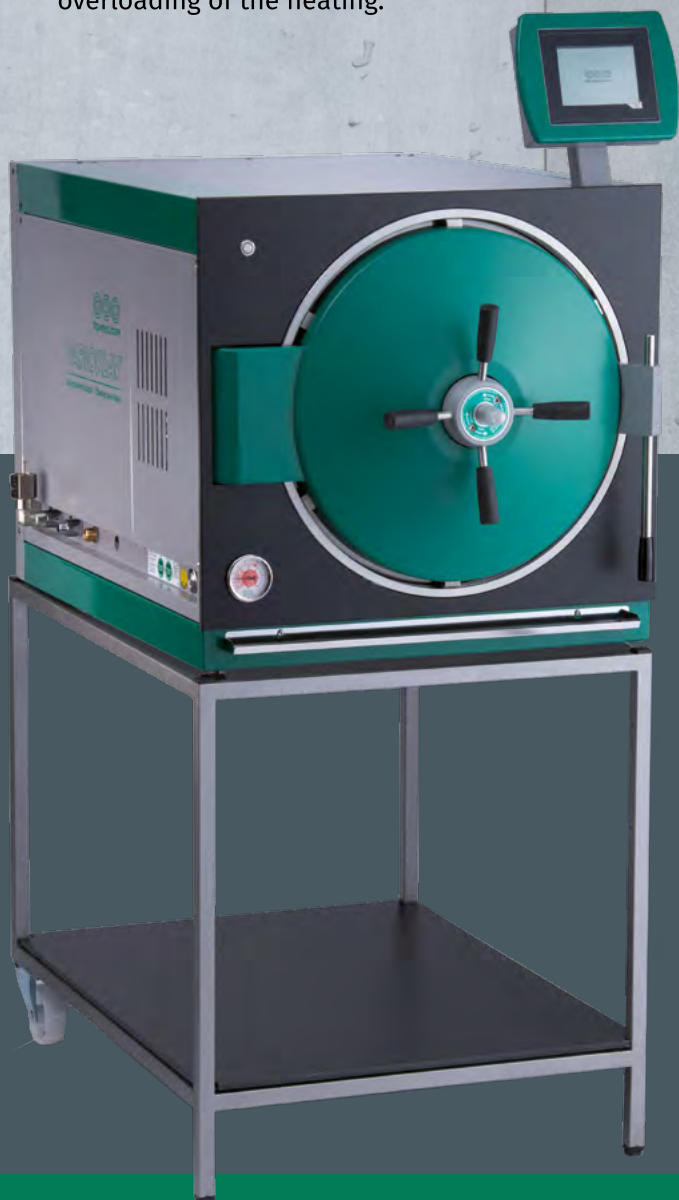
All fittings are found inside the stainless steel cladding

End plate made of heat-insulating plastic, no risk of injury from hot components

Central lock with 6 massive locking levers, opening under pressure is completely impossible

Lid can be opened laterally, no risk of scalding due to rising steam

Floor-standing units heated from the outside. A TÜV-approved overheating protection prevents overloading of the heating.



Line

Sustainability

Pressure vessel made of high-quality electropolished stainless steel, also long-lasting when handling aggressive media

5 years warranty on the pressure vessel

Durable heating elements (3 years warranty)

Very easy exchange of components

Simple and cost-effective maintenance

Low resource consumption

Cardanic locking suspension, thus long durability of the seal

Long service life due to low-wear fittings

HP Labortechnik GmbH has been passionately developing steam sterilizers for over 40 years and as a German manufacturer offers professional and innovative solutions of the highest quality.

During development, we pay attention to every detail so that the devices can withstand years of laboratory use. All devices are tested at the factory and we archive the test results.

Customers and dealers appreciate the comprehensive know-how, the competent advice, the professional instruction and the absolute reliability.

Touchscreen

Menu-driven user interface in German, English, Spanish, French and Swedish

Setting values visible on the touch screen

Stand-by mode

Sequence display

Timer



Flexible control

Optimized deaeration process

Exact set temperature control

Separate control and safety circuit

Temperature evaluation in three-wire technology

Configuring, blocking and enabling sterilization programs

Data recording via standard USB interface

Media temperature controlled processes



Data recording

As proof of a successfully completed sterilization process within the scope of quality assurance, the data of the sterilization process can be read out via a separate USB stick.

Air jacket cooling

Simple, inexpensive and effective recooling through air flow channels on the outside of the tank

Cooling time shortened compared to self cooling:
Even with large vessels by at least 40%

No additional on-site connections

No cooling water required

100% safety in the elimination of germs

Pressure vessels are TÜV-tested and manufactured according to the pressure vessel regulation and other European regulations

CE mark according to the Low Voltage Directive

Back rotation lock as mechanically acting safety against opening under pressure

Additional pressure monitoring



Exhaust air filtration

For safe and emission-free sterilization of contaminated, highly infectious or pathogenic materials and media, the exhaust air can be passed through a filter system. Any condensate is fed back into the sterilizer. The condensate and the filter system are autoclaved.

VARIOKLAV® Laboratory autoclaves

Versatile, space-saving devices for efficient steam sterilization

Sterilizers are part of the basic equipment of a microbiological laboratory. The standard variants of our models are already equipped for these common laboratory tasks. Liquids and culture media are usually treated at 121 °C and solids and waste at 134 °C.

If production processes are to be monitored or validated, sterilization data can be traced via a built-in printer or recorded by software. All phases of sterilization processes are automatically displayed.

For biological and genetically engineered working materials or infectious germs from the clinical area we offer special configurations and devices.

Sterilization chamber free of heating elements and feed water

Thermal barrier according to TRB 402 for liquids

Self-sufficient compressed air supply for seal control circuit, safety interlock and pneumatic control valves

Performance
you can
rely on.



Steam pots

Simple, efficient, reliable

For warm-keeping, heating and pressure-free steaming of culture media

For testing rubber goods, ceramics and components in steam

Steam chamber made of stainless steel 1.4301

Low loading height, very narrow design, space-saving dimensions

No cooling water required for edge cooling

Optical and acoustic malfunction indicators

Optional: Centrifugal blower

VARIOKLAV®



We don't want to reinvent the wheel, ...



The original in proven quality

... but we want to improve it !!



Over 40 years of know-how in the field of steam sterilization

HP Labortechnik GmbH

HP Labortechnik GmbH develops, manufactures and sells Equipment for laboratory, analytical and medical applications.

In addition, we develop and supply mobile sterilization systems (AEMP) in container and tent construction for standard-compliant sterile material preparation for international missions of the German Federal Armed Forces (Bundeswehr).

We provide similar mobile systems for interim solutions e.g. for reconstruction measures in hospitals.

With more than 40 years of know-how in the manufacture of laboratory equipment and medical devices, we have at our disposal an optimal development and Production structure for medical devices.

MPG certification for the manufacturing structure of a medical device.



Visit our site: www.hp-lab.com

Model	Art.-Nr.	Volume (l)	Filling volume (l)	External dimensions B/L/H (mm)	Operating temperature (°C)
Standgeräte					
GreenLine 400 ES 80	608379	75	5	600/500/1030	98° - 135°
GreenLine 500 ES 140	608931	140	7	700/600/1130	
GreenLine 500 ES 160	608943	160		700/600/1230	
GreenLine 500 ES 180	608944	180		700/600/1330	
Tischgeräte					
GreenLine 400 ET 80	608930	72	5	600/800/580	98° - 135°
GreenLine 500 ET 140	608932	136	8	700/900/680	
GreenLine 500 ET 160	608946	154	10	700/1000/680	
GreenLine 500 ET 180	608947	172	12	700/1100/680	
GreenLine 500 ET 200	608948	190	14	700/1180/680	

For further technical data see separate data sheet. No warranty is provided for printing errors. Reserve of technical changes.

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