

## Thermo Scientific VARIOKLAV® Classic Laboratory Autoclaves

Complete solutions  
for routine sterilization  
applications



# Thermo Scientific Varioklav Classic Laboratory Autoclaves

## Complete solutions for routine sterilization applications

Designed and manufactured to exacting quality standards for safe, reproducible performance, Thermo Scientific Varioklav Classic floor model autoclaves are equipped with everything that's required for sterilization tasks in the lab.

### Easy, Efficient, Reliable

Our Varioklav Classic autoclaves are easy to install, use and clean, require little maintenance, and occupy a minimum of floor space.

These robust, cost-effective systems provide 75 L or 135 L chamber capacities and are available with exhaust air filtration for pathogenic waste.

Thermo Scientific Varioklav Classic autoclaves support the rapid, efficient sterilization of instruments, liquids and waste across a range of environments:

- Education and academic research
- Food and beverage quality control
- Environmental testing
- Research institutes



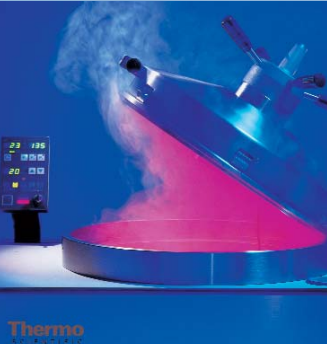
### Simple, user-friendly microprocessor control

Varioklav Classic autoclaves are equipped with an easy-to-use control featuring intuitive pictograms and clear displays of process parameters.

- Easy, one-touch recall of three sterilization programs (two pre-set, one user-configurable) for liquids, equipment/solid materials and waste
- Audible and visual alerts upon successful program completion



Our Varioklav Classic autoclaves feature corrosion-resistant sterilization chambers made from electrolytically-polished, titanium-stabilized stainless steel



# Convenience and Simplicity in Steam Sterilization

## Fully Equipped and Ready for Work

Thermo Scientific Varioklav Classic autoclaves are supplied with everything you need for your sterilization applications:

- Media temperature probe for precise control of liquid sterilization times
- Tamper-proof thermolock prevents retarded boiling when sterilizing liquids
- Condensate collector for exhaust steam
- Two high-capacity, stainless steel sterilization baskets

Varioklav Classic autoclaves are delivered ready to start work when you are. Installation is straightforward, because connection to a feed water supply is not required.

Simply add demineralized water to the chamber and initiate your program. All phases of the sterilization process run automatically, allowing safe, unattended operation.

## Easy and Comfortable to Use

- Intuitive microprocessor controls automate every aspect of the sterilization process
- Security key switch saves program settings
- Side-opening, quick-release lid minimizes risk from rising steam
- Low deck height for easier loading and unloading

## Efficient, Effective Sterilization

- Short heating times
- No heating elements in sterilization chamber for maximized useful capacity
- Drain valve in chamber floor eliminates dead space, ensures a sterile condensate
- Continuous gravity deaeration prevents formation of air pockets
- Temperature analysis for accurate measuring

## Safer by Design

Varioklav Classic autoclaves are designed with utmost operator safety in mind. They comply with the DIN 58951-2 standard, and are certified under the European Pressure Equipment Directive.



Ideal for use with thermally unstable media, the reference temperature probe enables precise control of sterilization times



A heat-resistant collector condenses the exhaust steam



◀ **Safety assured**  
The lid locking mechanism engages six massive stainless steel bolts. Leakage or opening under pressure is impossible.



## Safe sterilization of hazardous materials

Our Varioklav Classic 400 FA and 500 FA autoclaves are equipped to provide exhaust-air filtration and condensate sterilization.

- Emission-free sterilization of hazardous biological materials, including pathogens, infectious agents and genetically engineered samples
- Both the external atmosphere and exhaust steam collection system are protected from contamination

### Varioklav Classic 400 FA and 500 FA Autoclaves with Exhaust Air Filtration

- Aerosols contained in exhaust air are retained by an easy-to-exchange filter prior to sterilization
- Simultaneous sterilization of chamber contents, collected condensate and filter housing
- Sterile disposal of potentially infectious laboratory waste



## Technical Specifications and Ordering Information

### Thermo Scientific Varioklav Classic Laboratory Autoclaves

Model (Catalog No.)	Electrical Supply	Chamber Net Volume (L)	Operating Temperature (°C)	Maximum Operating Pressure (Bar)	Interior Dimensions Ø x D (mm)	Exterior Dimensions W x D x H (mm)	Weight (kg)
Varioklav Classic 400 (50109674)	230 V /50 Hz	75.0	98 – 134	2.5	400 x 600	600 x 620 x 965	120
Varioklav Classic 400 FA with Exhaust Air Filtration (50109686)	230 V /50 Hz	75.0	98 – 134	2.5	400 x 600	600 x 620 x 965	120
Varioklav Classic 500 (50109685)	3N 400 V	135.0	98 – 134	2.5	500 x 700	700 x 720 x 1065	180
Varioklav Classic 500 FA with Exhaust Air Filtration (50109687)	3N 400 V	135.0	98 – 134	2.5	500 x 700	700 x 720 x 1065	180

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