

ClearLine®

Technical Specification

434002



434002 has been specifically designed for use in laboratories and academia related to the laboratory market. Easy to use, portable and cost effective, either as a primary sterilisation source or as a complimentary steriliser in a larger Laboratory environment. – your ideal Laboratory sterilisation solution.

If you need to sterilise liquids and media or eliminate the risk of cross infection through contaminated waste, then the **434002** autoclave offers a professional, reliable, safe and affordable solution. A controlled cycle profile ensures that, when used in schools, the media used by students in experiments will have real validity. Uncontrolled sterilization using pressure cookers or other devices can result in media not being properly sterilised.

In a research setting, 434002 offers a convenient and personalised solution to media sterilisation and a flexible alternative to larger, communal autoclaves.

The features available in the SLS1864 offers multiple benefits for users. The Autoclave is 12 litre capacity with a 121 degrees C sterilising temperature. The unit has an interlocking system for the handles and the internal furniture consists of a basket as standard.

Fully automatic, **434002** has one fixed cycle which is pre-programmed and fully automatic. There is no need for operator programming of cycle parameters. There is no need for constant supervision of the unit during the cycle, meaning staff are free to undertake other activities. Special software accurately controls the temperature and pressure during the cycle, ensuring that operating parameters are accurate and cycle profiles are repeatable.

The product offers an unrivalled combination of ease of use, cost effectiveness and the highest level of reliability. This ensures that your **T-Class Media**, if maintained and used in accordance with our recommended procedures, will give many years of safe and repeatable use.

Multiple safety devices protect against over temperature and over pressure situations, eliminating the risk of thermal shock to superheated vessels, which ensures that glassware is protected and controls the cooling process to avoid potential boil over of liquids.

Safety as standard, the 434002 has an in built safety mechanism which prevents the lid from being opened until the internal temperature has fallen below 80°C

Key Features

- simple, single button cycle start
- Fully compliant to all relevant standards
- Lightweight and portable
- Works with standard 230 electrical supply
- Optional printer for data capture
- Suitable for Media sterilisation and also destructive sterilisation.
- Small footprint – occupies only a small area of bench space.
- Only one perishable item – the sealing gasket.

Steam sterilisation, or autoclaving, is the preferred method of eliminating the risk of cross infection through contaminated instruments. It is the only method recommended throughout the world by healthcare professionals including the World Health Organisation (WHO)

Model Number	434002
Maximum Width Overall	340mm
Maximum Height Overall	420mm
Maximum nett weight	6.30 kg
Chamber Diameter/Height	210mm/270mm
Chamber capacity	12 Litres
Maximum Instrument length	268mm
Maximum Load weight	4kg/2 x 500ml
Sterilisation Temperature	121 degrees C
Minimum Sterilisation time	28 minutes
Operating Pressure	1.05 Bar
Normal Cycle Time	70 minutes
Voltage	230 Volts
Wattage	1500 Watts
Frequency	50 – 60 Hertz
Printer	Yes (Option)
Temperature and Pressure Gauges	No
Furniture	Basket

Inner Chamber Dimensions ø x D (mm)	Volume (Liters)	Shipping Weight (kg)	Shipping Dimensions WxDxH (mm)	Single Phase Power Supply
210 x 270	12	9.5	400 x 400 x 620	220-240V, 50-60Hz 1500W, 10A

Designed and manufactured to comply with the following standards and guidelines:

- ISO 13485 2016 – Quality Management System
- UKCA UK MDR 2002
- Pressure Equipment Directive PED 2014/68/EU
- BS EN 61010-1 Safety standard for electrical equipment
- BS EN 61010-2-040 Safety requirements for electrical equipment for measurement, control and laboratory use.
- BS EN 61326-1:2013 Electromagnetic compatibility
- EN ISO 14971:2016 - Application of Risk Management to Medical Devices
- BS EN 13060:2014+A1:2018 - Small Steam Sterilisers
- The Waste Electrical and Electronic Equipment Regulations 2013