



Labclave 23

The new 23-litre vertical autoclave from LTE Scientific

The Labclave 23 is LTE Scientific's new low-cost 23-litre laboratory autoclave. It has been designed to offer effective and fast sterilization of many laboratory load types including fluids, discard, glassware and instruments. Taking up a floor area of just 460mm x 395mm, Labclave 23 has to be one of the most compact and versatile units available.

Stainless Steel Pressure Vessel – This one piece pressure vessel is manufactured from high grade 304L stainless steel, and comes with a 5-year warranty against failure.

Push-Button Door Closure – Our ingenious door closure system seals and locks the door at the push of a button. The servo-assisted motor ensures a positive seal every time.

Flexible Control System – Labclave 23 comes with 8 pre-set programs covering the most popular sterilization cycle. In addition, a 'free cycle' is also provided, allowing you to set your own specific cycle parameters quickly and easily. See table for further details.

Printer – A complete record of every cycle is produced on this built-in thermal printer.

Post Vacuum System – Non-liquid cycles can achieve faster cycle times thanks to the built-in vacuum pump which will aid the cooling process and help dissipate moisture from the load.

Safety – Labclave 23 is fitted with pressure, temperature and timed door safety systems, ensuring that the door cannot be opened until the chamber has reached atmospheric pressure and 90°C. A low water protection device is also fitted.

Air Cooled Condensate Unit – The inclusion of this feature allows the cooled condensate to be discharged directly to drain if required, although a waste container is provided as standard.

Cooling Options – For maximum flexibility, 4 types of cooling method are available on the Labclave 23:

- Slow cooling, no vacuum – Exhaust valve is permanently closed during cooling
- Slow cooling, vacuum – Exhaust valve opens at atmospheric pressure at which point vacuum pump initiates
- Fast cooling, no vacuum – Exhaust valve is open during cooling
- Fast cooling, vacuum – Exhaust valve is open and vacuum pump is on during cooling



23 litre Vertical Autoclave

Cycle Details

Cycle	Sterilizing Temp, °C	Hold Time	Cooling	Post Vacuum Active	Max Load
1	121	15 mins	Fast	No	6kg Solid Materials 5kg Liquids
2	121	15 mins	Slow	No	
3	121	15 mins	Fast	Yes	
4	121	15 mins	Slow	Yes	
5	121	20 mins	Fast	Yes	
6	121	20 mins	Slow	No	
7	126	15 mins	Slow	No	
8	134	10 mins	Fast	Yes	
9 (Free Cycle)	105-135	1-99 mins	Slow/Fast	Yes/No	

Technical & Ordering Information

Model	Capacity, litres	Loading	Printer	Chamber dims, mm	Overall dims, H x W x D mm	Basket	Weight, kg	Power, kw
TCL/23/1	23	Top	Included	236 dia x 530 D	930 x 460 x 395	Included	55	2.5



Temperature range:
Electrical Supply:

105°C to 135°C
220-240V, 50-60Hz, 13A





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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