



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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