



Touchclave-R/PL Porous Load Steam Sterilizers

The New 60, 120-litre and 160-litre cylindrical-chambered porous load sterilizer range from LTE Scientific. Designed to provide efficient autoclaving of clinical loads at an affordable price.

The Touchclave-R/PL range of low-cost cylindrical-chambered medical autoclaves has been designed specifically for use as a porous load sterilizer. Standard features include:

Cylindrical Chamber - Made from 316L grade stainless steel. Fully compliant with the European pressure equipment directive 97/23/EC. Independently certified to PD5500:2000 Cat. 3. The chamber is fully insulated.

Touchscreen Control System - This system is the standard operating platform across the whole LTE autoclave range. It incorporates a state-of-the-art touch-sensitive screen. Using a series of on-screen prompts and icons, the system is both versatile and simple to use. See below for further details.

Integral Steam Generator - A high performance stainless steel steam generator is fitted under the chamber which delivers steam quickly and effectively to the chamber and load, minimizing re-heat times between negative pulsing and speeding up cycle times.

Vacuum System - Our vacuum system incorporates an efficient liquid ring pump capable of delivering vacuum levels below 50mbarA, ensuring effective air removal and fast drying.

Steam Jacket - Drying of the load is achieved by means of combination of vacuum and heat. A fully insulated copper coil steam jacket is provided as standard which effectively heats the chamber and load during the vacuum drying stage, dissipating any remaining moisture and ensuring a dry load at the end of the cycle.

Three cylindrical chamber sizes are offered: 60, 120 and 160-litres, all of which are front loading. These floor-standing models are moved on castors and will fit through a standard door.



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Touchscreen Control System

Touchclave-R/PL autoclaves incorporate our popular Touchscreen control system. This flexible and easy to use operating platform has been adapted to fit the specific requirements of the Touchclave-R/PL range, thus offering a comprehensive control package.

The system gives users a standard menu of porous load-specific cycles. This includes 121 and 134 cycles, both with the option of extended drying, plus leak rate test and Bowie Dick test cycles. The main load cycles can be adjusted to suit individual requirements.



Once the programs are stored in the memory, starting the cycle could not be easier. Pressing the start button brings a cycle menu up on screen, allowing the required cycle to be selected. If the cycle has been configured to be traceable, there is a prompt to input operator ID and batch information. During the cycle, information is constantly displayed on the touchscreen.

A fully integrated thermal paper printer or chart recorder is available as an option if a hard copy printout is required. Internal data archiving is also available as an option.

Technical & Ordering Information

Model	Chamber litres	Loading	Chamber Dims HWD mm	Overall Dims HWD mm	Weight Kg	Shelves/Positions
TCR/60/PL	60	Front	350 x 625	1400 x 550 x 970	190	2/2
TCR/120/PL	120	Front	500 x 610	1680 x 700 x 1170	260	2/2
TCR/160/PL	160	Front	500 x 825	1680 x 700 x 1170	290	2/2

Options & Accessories

Cat No	Model
TC/TDP/02	Thermal data printer
TC/IDA/01	Internal data archiving
TC/MOD/01	Modem Link

Options Explained

Printer – Our thermal data printer will keep a record of all cycle stages and display all relevant status messages.

Data Archiving – Many customers have an increasing need for long-term storage of thermometric records of sterilization processes. By adding the internal Data Archiving option, you can store up to 5000 cycle profiles internally on a single flash card which can be printed off at any time.

Modem Link – A modem allows the LTE technical team to connect directly to the autoclave and view real-time data, enabling us to carry out rapid diagnosis of particular issues and offer the appropriate advice. This can significantly reduce autoclave downtime.

Electrical Requirements:

Model	Electrical Requirement
TCR/60/PL	9Kw, 3-phase, 400-440V, 50Hz, 16A/phase N+E
TCR/120/PL	12Kw, 3-phase, 400-440V, 50Hz, 20A/phase N+E
TCR/160/PL	15Kw, 3-phase, 400-440V, 50Hz, 25A/phase N+E

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