



Touchclave-PL Porous Load Steam Sterilizer

Developed to satisfy a growing demand for smaller capacity, full specification porous load sterilizers, LTE Scientific have introduced the Touchclave-PL range, which has a unique combination of features to assist the operator and improve efficiency:

Rectangular 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 stainless steel 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.

Air Detector - This is a standard feature for this application. The air detector samples the steam at all times during the cycle ensuring that any air leaks or non-condensable gases carried over with the steam supply are immediately detected.

Three rectangular chamber sizes are offered: 150, 200 and 300 litres, all of which are front loading. Additionally, the 300-litre model is also available as a pass-through variant. All models are moved on castors and (with the exception of the pass-through model) will fit through a standard door.



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Touchscreen Control System

Touchclave-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-PL range, thus offering a comprehensive control package.



This 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.

Data Archiving

The long-term storage of thermionic records for sterilisation operations is an area of growing concern to both operators and administrators. Therefore all Touchclave-PL models include an internal data storage facility which allows up to 5000 cycles to be stored on a single flash-card.

As an option, a remote cycle data archiving facility can be added so that all cycle data, including any fault or alarm conditions, can be downloaded to a PC and permanently recorded.

Technical & Ordering Information

Model	Cat No	Steam Source	Cap'ty litres	Chamber Dims HWD mm	Overall Dims HWD mm	Power Kw	Weight Kg	Shelves / Positions
K150	PL/150/KE	Integral Generator	150	600 x 500 x 500	1815 x 720 x 1100	30	400	2/4
	PL/150/KS	Direct Steam				8	360	
K200	PL/200/KE	Integral Generator	200	600 x 500 x 660	1815 x 720 x 1200	30	480	2/4
	PL/200/KS	Direct Steam				8	440	
K300	PL/315/KE	Integral Generator	300	600 x 500 x 1000	1815 x 720 x 1350	45	750	2/4*
	PL/315/KS	Direct Steam				8	710	
K300 Pass-through	2PL/315/KE	Integral Generator	300	600 x 500 x 1000	1815 x 920 x 1360	45	820	2/4*
	2PL/315/KS	Direct Steam				8	780	

Options & Accessories

Cat No	Model
TC/TDP/01	Data-Printer, thermal paper
TC/TFP/01	Tractor-feed printer (Epson)
TC/RDA/01	Remote data archiving (PC to be supplied by others)
TC/MOD/01	Modem Link
TC/VFC/01	Volt-free contacts
TC/CR2/01	Independent 2-pen chart recorder
TC/CR3/01	Independent 3-pen chart recorder
TC/PCR/01	Independent paperless chart recorder
TC/LCT/01	Loading/carriage trolley - 150-litre models
TC/LCT/02	Loading/carriage trolley - 200-litre models
TC/LCT/03	Loading/carriage trolley - 300-litre models
TC/ACT/01	Additional carriage trolley – 300-litre pass-through model

* Shelves on these models can be pulled out upto half way and include all necessary safety stops.

Electrical Requirements:

Model	Electrical Requirement
K150E	30Kw. 3-phase, 400-440V, 50Hz. 50A/phase N+E supply
K200E	30Kw. 3-phase, 400-440V, 50Hz. 50A/phase N+E supply
K300E	45Kw. 3-phase, 400-440V, 50Hz. 63A/phase N+E supply
K150,200 & 300S	3-phase, 400-440V, 50Hz. 16A/phase N+E supply

LTE is a progressive company and reserves the right to alter the specification of its products without notice. E&OE