



## 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.

Five rectangular chamber sizes are offered: 150, 200, 300, 360 and 450 litres, all of which are front loading. Additionally, the 300, 360 and 450-litre models are also available as a pass-through variants. All models are moved on castors and (with the exception of the pass-through models) will fit through a standard door.



## 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 touch-screen.



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	Weight Kg	Shelves / Positions
PL/150	PL/150/KE	Integral Generator	150	600 x 500 x 500	1850 x 750 x 1500	530	2/4
	PL/150/KS	Direct Steam					
PL/200	PL/200/KE	Integral Generator	200	600 x 500 x 660	1850 x 750 x 1650	560	2/4
	PL/200/KS	Direct Steam					
PL/300	PL/300/KE	Integral Generator	300	600 x 500 x 1000	1850 x 750 x 1650	680	2/4*
	PL/300/KS	Direct Steam					
PL/360	PL/360/KE	Integral Generator	360	600 x 600 x 1000	1850 x 850 x 1650	720	2/4*
	PL/360/KS	Direct Steam					
PL/450	PL/450/KE	Integral Generator	450	600 x 600 x 1250	1850 x 850 x 1900	820	2/4*
	PL/450/KS	Direct Steam					

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

## Options & Accessories

Cat No	Model
TC/TDP/01	Data-Printer, thermal paper
TC/RDA/01	Remote data archiving (PC to be supplied by others)
TC/VFC/01	Volt-free contacts
TC/PCR/01	Independent paperless chart recorder
TC/PWR/01	Pneumatic Powered Door with Safety Edge and E-Stop
TC/PAS/--	Pass-through Chamber
TC/LCT/--	Loading/carriage trolley - 150-450 litre models

## Electrical Requirements:

Model	Electrical Requirement
PL/150/KE	3-phase, 380-440V, 50Hz. 50A/phase N+E supply
PL/200/KE	3-phase, 380-440V, 50Hz. 60A/phase N+E supply
PL/300/KE	3-phase, 380-440V, 50Hz. 63A/phase N+E supply
PL/360/KE	3-phase, 380-440V, 50Hz. 63A/phase N+E supply
PL/450/KE	3-phase, 380-440V, 50Hz. 63A/phase N+E supply
PL/150/KS, 200/KS, 300/KS, 360/KS, 450/KS	3-phase, 380-440V, 50Hz. 16A/phase N+E supply