LTE

Touchclave Systems
Porous Load Sterilizers

LTE Scientific is a leading British manufacturer of Medical and Laboratory steam sterilizers. Quality, reliability and value are the mainstays of our business, and our flexible range of Touchclave Systems porous load autoclaves is no exception.

LTE Scientific's Touchclave Systems Porous Load Sterilizers are cost effective in terms of initial purchase, running cost and ongoing maintenance.

Touchclave Systems Porous Load Sterilizers

Designed to meet today's demanding sterile supplies department workloads, LTE porous load sterilizers are available in a range of sizes, both single entry or pass-through, are easy to operate and can be tailored to meet customer-specific requirements.

Only the highest quality components are used in the construction of every LTE sterilizer. We believe that life costs are important, and the use of non-proprietary parts means that ongoing service and maintenance costs are kept to a minimum.

Chambers and Doors - Chambers and jackets are manufactured from high grade 316L stainless steel and are certified to 97/23/EC. Depending on the chamber capacity, the pneumatic door movement will either be vertical or horizontal. In all cases, mechanical safety edges are installed which will reverse the door movement should it meet an obstruction. In addition, an emergency stop button is also included. Doors are sealed pneumatically using a simple and easy to replace 0-ring.

Air Detector - All LTE porous load sterilizers are fitted with an air detector, which not only verifies satisfactory air removal but also monitors conditions within the chamber during the sterilizing stage. This ensures that any air leaks or carry-over of non-condensible gases in the steam supply are immediately detected.

Control System - At the heart of every LTE autoclave is our Touchclave touchscreen PLC control system, which is not only versatile but easy to use. Our menu driven system displays all cycle and stage data, program information and alarms.

Security and traceability are also important system features. Multiple security levels are present from Operator and Supervisor right through to various engineering levels. A cycle cannot be started unless the relevant PIN has been entered, and user ID's are printed at the end of each cycle.

Our touchscreen control system also includes a useful 'Auto-Start' function which will allow empty chamber warm-up cycles to be run at the beginning of each day.

The integrated data printer provides a full report of each stage of the cycle along with cycle status (pass/fail) and details of any corresponding alarm. An internal data archive system is included as standard on every Touchclave Systems autoclave, which has the capacity to store up to 5000 cycles on a removable flash card. As an option, cycle data can be remotely archived to a PC via a hard wired or ethernet connection. All data is 'checksum' protected for maximum security and safety.

Various independent recording options can be incorporated into our sterilizers. These include:

• Chart recorders

• Graphic recorders

• Auto-comparison systems

• Data acquisition units

Steam Generation - LTE Touchclave System autoclaves can be configured to run with various steam sources. This includes customer plant steam supplies, integral/stand alone electrical steam generators and various clean steam options. Depending on customer or site requirments, a number of clean steam solutions can be offered. We offer a range of electrically heated clean steam generators which can be placed under the chamber, on top of the chamber, at the side or remotely, depending on machine size or plant room conditions.

Where a plant steam supply is available, we offer a range of horizontal and vertical steam to clean steam heat exchangers, all designed to take up minimal space.

Ancillary equipment such as water softeners, RO systems and hot wells can all be supplied if required. In all clean steam applications, the sterilizer would be supplied with primary or complete stainless steel pipework.

Key Features

• Standard size range from 326 to 1052-litres

• Larger sizes available on request.

• Single entry or pass-through versions

• Compliant with national and international standards including, EN285, EN554, CFPPOI-01 and certified to ISO13485

• Pressure vessels fully compliant with 97/23/EC

• Pressure vessel, jacket and door face manufactured from 316L grade stainless st eel

• Effective air detector which monitors chamber conditions throughout the cycle

• Efficient air removal using vacuum/pressure pulsing

• Short cycle times, meaning lower energy consumption

• Touchscreen control system with easy-to-use menu based screens.

• Internal data archiving

• Comprehensive watchdog system

• Various recording and external data acquisition options

Technical and Ordering Information

Model	Capacity, litres/Cu.ft	Single entry / pass-through	Door closure	Chamber dims, mm HxWxD	Overall Dims, mm HxWxD*	Piping frame position>	Approx. Weight kg^
SCF10PL	326/11	Single entry	Horizontal	660 x 660 x 750	1860 x 1890 x 1150	Side	775
UCF10PL		Single entry	Vertical		1900 x 1270 x 1750	Rear	775
2SCF10PL		Pass-Through	Horizontal		1860 x 1890 x 1350	Side	825
2UCF10PL		Pass-Through	Vertical		1900 x 2250 x 1300	Side	825
SCF15PL	435/15	Single entry	Horizontal	660 x 660 x 1000	1860 x 1890 x 1400	Side	850
UCF15PL		Single entry	Vertical		1900 x 1270 x 2000	Rear	850
2SCF15PL		Pass-Through	Horizontal		1860 x 1890 x 1600	Side	900
2UCF15PL		Pass-Through	Vertical		1900 x 2250 x 1550	Side	900
SCF20PL	545/19	Single entry	Horizontal	660 x 660 x 1250	1860 x 1890 x 1650	Side	950
UCF20PL		Single entry	Vertical		1900 x 1270 x 2350	Rear	950
2SCF20PL		Pass-Through	Horizontal		1860 x 1890 x 1850	Side	1000
2UCF20PL		Pass-Through	Vertical		1900 x 2250 x 1800	Side	1000
SCF21PL	636/22	Single entry	Horizontal	965 x 660 x 1000	1860 x 1890 x 1400	Side	1000
2SCF21PL		Pass-Through			1860 x 1890 x 1600	Side	1075
SCF28PL	859/30	Single entry	Horizontal	965 x 660 x 1350	1860 x 1890 x 1600	Side	1050
2SCF28PL		Pass-Through			1860 x 1890 x 1900	Side	1125
SCF36PL	1052/37	Single entry	Horizontal	1100 x 660 x 1450	1860 x 1890 x 1900	Side	1500
2SCF36PL		Pass-Through			1860 x 1890 x 2000	Side	1600

*All external dimensions are provided as a guide only. Excludes steam generators and room required for servicing.
>Piping frames can be positioned to the side or rear on any single entry model.
^Weights are provided for guidance only.

Options and Accessories

A wide range of options and accessories can be added to your Touchclave Systems sterilizer to suit your particular requirements, including:

- Remote data archiving
- Various recording options
- Steam generators

- Wide range of chamber furniture/loading equipment
- Clean steam upgrades

- Compressors
- Water treatment systems
- Bespoke chamber sizes