



A straightforward guide to choosing your autoclave...



LTE offers a wide range of Laboratory Autoclaves for general purpose sterilizing applications, enabling customers to choose a model which best suits their application and, their volume and budgetary requirements.

Choosing the right autoclave and, more importantly, the options that can (or should) be fitted to it is extremely important and varies depending on application and throughput. You need to ensure that your autoclave is optimised for the load types you wish to process. To help you to make the right choice, we have produced this simple guide which cuts through all the jargon, tells you exactly what features each LTE range has, what the options are, and when those options should be applied.

The types and sizes of autoclave in each model range are shown below.

TYPES AND SIZES	Labclave 23	Ecotech	Touchclave-R	Touchclave-Lab		Touchclave Systems-MP
				F models	KE/KS models	
Chamber profile	Round	Round	Round	Rectangular	Rectangular	Rectangular
Chamber size (litres):						
Front loading models	--	40, 60	120,160	150, 200, 300, 360, 450	150, 200, 300, 360, 450	435, 566, 636, 740, 796, 870, 1052,
Top loading models	23	60	120,160	--	--	--
Steam source	In-chamber Water Heater	Fitted Generator	In-chamber Water Heater	In-chamber Water Heater	Fitted Generator or Direct Supply	Fitted Generator or Direct Supply

To further refine the choice of autoclave, the following table shows for each of the six ranges some of the features which are standard or which may be ordered as additional options, depending on the application.

FEATURES AND OPTIONS	Labclave 23	Ecotech	Touchclave-R	Touchclave-Lab		Touchclave Systems-MP
				F models	KE/KS models	
Touchscreen Control System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door system						
Sliding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic seal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dual doors for pass-through	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> (300L Only)	<input type="checkbox"/>
Single action	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Maximum no. of cycle programs						
8 programs	<input type="checkbox"/> 8 + 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20 programs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage and Retrieval of Cycle Data						
Internal Data Archiving	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote Data Archiving	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Printer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cooling System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre/Post Vacuum System	<input type="checkbox"/> Post Only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Ballast (to avoid volume loss or breakage in liquid loads)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load activated process timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPF barrier	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Category 3 Effluent Retention & Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam Jacket (for full drying of the load when vacuum is fitted)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condensate Unit (to cool water discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Water Fill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic Drain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

KEY Standard Optional Not available/applicable

To assist in specifying the most suitable autoclave for a particular application, the table below lists some typical sterilization applications, showing the models which are suitable and the features and options which are recommended for each application.

APPLICATIONS	Suitable models	Recommended	Comment
Media and fluids Fluid discard	All	Air Ballast	Especially recommended for sealed fluids
Plastic and glassware Tubing, pipette tips Plastic and mixed discard	All	Pre/Post Vacuum Steam Jacket (for drying)	Steam Jacket not available on Ecotech, Touchclave-R or F models
Porous loads Clothing Wrapped instruments	Touchclave-Lab KE/KS Touchclave Systems	Pre/Post Vacuum Steam Jacket	Vacuum is essential for this application. Steam jacket will dry the load more effectively
Unwrapped instruments	All	Pre/Post Vacuum Steam Jacket (for drying)	Steam Jacket not available on Ecotech, Touchclave-R or F models
High security applications (PL3, BS3, Cat.3, Cat.4)	All (Except Labclave 23)	Pre/Post Vacuum Cat.3 Effluent Retention	Cat.3 Effluent Retention is essential for this application

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