



# Mediclave Autoclaves

6, 18 & 23 Litre B, S & N Class

LTE 'Mediclave' range of autoclaves are some of the most comprehensively equipped medical steam sterilizers available. Designed to incorporate features which will result in faster cycles and improved efficiency, the 'Mediclave' range is available in 6, 18 and 23 litre sizes.

## 'Mediclave' Autoclave

B, S and N-Class variants are available, and all units comply with:

- Medical Devices Directive 93/42/EC
- Small Steam Sterilizers Directive EN13060
- Pressure Equipment Directive 97/23/EC
- CEI Directives EN 61326-1, EN 61010-1 and EN 61010-2-40.

The principal features of the LTE 'Mediclave' autoclave range are as follows:



**6, 18 and 23-litre chamber capacities** – All models include a one-piece high grade stainless steel pressure vessel. Because the vessel is seamless, the chamber is totally smooth inside. Furthermore the integrity of our vessels is guaranteed for 5-years.

**Control system** – Depending on the Class of autoclave, up to 12 pre-programmed cycles are installed onto each model. See table opposite for details. All cycle data, status and messages are clearly displayed on an LCD screen. An audible alarm will alert you to any cycle abnormality.

**Separate steam generator** - A major feature of this product is its innovative steam generator. This design has many advantages. Steam is generated quickly, helping to reduce overall cycle times. There are no heaters in the bottom of the chamber ensuring that the chamber is clean and



unencumbered at all times. This in turn helps to reduce the risk of cross-contamination.

**Motorised door** – Our unique door system has no bolts and no levers. At the end of the cycle, the motorised door bolt releases the door, which can then be opened. The autoclave senses when the door has been closed, and the door bolt automatically seals the door against the vessel ready for cycle start.

**Fill and drain tanks** – 'Mediclave' autoclaves are fitted with integral clean water and waste tanks. Each tank has sensors to alert you when empty or full. Both tanks have quick connections for easy filling and draining, and they can, if desired be permanently connected to a water supply and drain.

**Vacuum pump** – Our B and S Class models are fitted with vacuum pumps to aid the air removal and cooling. See table opposite to find out which load types suit each class of autoclave.

**Printer** – A data printer is fitted as standard to all models.



18 Litre Model with Data Logger

# What can you typically sterilize?

## B Class



Solid Instruments



Hollow Instruments



Wrapped Instruments



Porous Loads

## S Class



Solid Instruments



Wrapped Instruments



Small porous loads



Solid Instruments

## N Class

Load Type	Program	Vacuum Pulses	Cycle Time
<b>18 and 23-litre B-Class Models</b>			
Hollows - delicate and rustproof (wrapped)	121 hollow wrapped	4	28 mins
Hollows - rustproof (wrapped)	134 hollow wrapped	4	15 mins
Solids - rubber and delicate (wrapped)	121 solid wrapped	2	28 ins
Solids - rustproof (wrapped)	134 solid wrapped	2	15 mins
Solids and hollow (wrapped)	134 prion	4	30 mins
Porous load and delicate hollow (wrapped)	121 porous	4	33 mins
Porous load, hollow and rustproof solid (wrapped)	134 porous	4	20 mins
Solids -rubber and delicate (unwrapped)	121 rapid	2	22 mins
Solids - rubber (unwrapped)	134 rapid	2	9 mins
Hollows - rubber and stainless steel (unwrapped)	134 open hollow	4	9 mins
Test cycle - helix and Bowie Dick	134 helix/BD	4	7.5 mins
Vacuum test cycle	<40 vac test	1	15 mins
<b>6-litre B-Class Model</b>			
Hollows - delicate and rustproof (wrapped)	121 hollow wrapped	4	28 mins
Hollows - rustproof (wrapped)	134 hollow wrapped	4	15 mins
Hollows - delicate and rustproof (unwrapped)	121open hollow	4	20 mins
Hollows – rubber and stainless steel (unwrapped)	134 open hollow	4	7 mins
Solids and hollow (wrapped)	134 prion	4	30 mins
Porous load and delicate hollow (wrapped)	121 porous	4	33 mins
Porous load, hollow and rustproof sold (wrapped)	134 porous	4	20 mins
Solids -rubber and delicate (unwrapped)	121 solid open	2	20 mins
Solids - rubber (unwrapped)	134 solid open	2	7 mins
Solids - rustproof (wrapped)	134 solid wrapped	2	15 mins
Test cycle - helix and Bowie Dick	134 helix/BD	4	6 mins
Vacuum test cycle	<40 vac test	1	15 mins

Load Type	Program	Vacuum Pulses	Cycle Time
<b>18 and 23-litre S-Class Models</b>			
Hollows - delicate and rustproof (wrapped)	121 hollow wrapped	2	30 mins
Hollows - rustproof (wrapped)	134 hollow wrapped	2	22 mins
Solids - rubber and delicate (wrapped)	121 solid wrapped	2	28 mins
Solids - rustproof (wrapped)	134 solid wrapped	2	15 mins
Solids and hollow (wrapped)	134 prion	2	35 mins
Porous load and delicate hollow (wrapped)	121 porous	2	33 mins
Solid rustproof, delicate hollow and small porous load (wrapped)	134 porous	2	20 mins
Solids -rubber and delicate (unwrapped)	121 rapid	2	23 mins
Solids - rubber (unwrapped)	134 rapid	2	10 mins
Hollows - rubber and stainless steel (unwrapped)	134 open hollow	2	11 mins
Test cycle - helix and Bowie Dick	134 helix/BD	2	7.5 mins
Vacuum test cycle	<40 vac test	1	15 mins
<b>18 and 23-litre N-Class models</b>			
Solids – rubber and delicate (prolonged drying)	121 solid open	-	33 mins
Solids – rubber and metal (prolonged drying)	134 solid open	-	21 mins
Solids – stainless steel and instruments	134 prion	-	35 mins
Solids – rubber and delicate (brief drying)	121 rapid	-	23 min
Solids – rubber and metal (brief drying)	134 rapid	-	11 mins
NB – All times are typical and do not include initial pre-heating times			

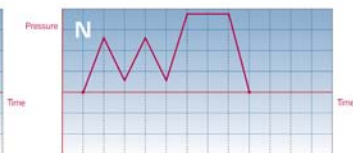
### diagrams of sterilization cycles



Class "B" - Fractionated vacuum



Class "S" - Pre and Post vacuum



Class "N" - Thermodynamic

## Technical & Ordering Information

### 'Mediclave' Autoclave Range

Model	Cat No	Capacity, litres	Vacuum System	Printer	Load capacities, kg (wrapped./ unwrapped/ porous)	Overall Dims, HWD mm	Power, Kw	Electrical Supply	Trays, No. & Dims, mm
Mediclave B-Class	MED/23/B	23	Fractionated	Included	4.5/6/1.5	400 x 505 x 695	2.5	220-240V 50-60Hz	4-off 17 x 185 x 440
	MED/18/B	18			3/4/1	400 x 505 x 610			4-off 17 x 185 x 285
	MED/06/B	6			1/1.8/0.5	345 x 445 x 610			1-off 19 x 150 x 240, plus 2-off 19 x 115 x 240
Mediclave S-Class	MED/23/S	23	Pre and Post	Included	4.5/6/1	400 x 505 x 695	2.5	220-240V 50-60Hz	4-off 17 x 185 x 440
	MED/18/S	18			3/4/0.5	400 x 505 x 610			4-off 17 x 185 x 285
Mediclave N-Class	MED/23/N	23	None - Thermodynamic		NA/6/NA	400 x 505 x 695			2.5
	MED/18/N	18		NA/4/NA	400 x 505 x 610	4-off 17 x 185 x 285			

### Options for the 'Mediclave' Autoclave Range

A number of options can be fitted to or supplied with 'Mediclave' autoclaves, including:

**Demineralised water supplies** – The high quality of water is essential for the smooth and reliable operation of all medical autoclaves. LTE can provide a number of solutions to ensure a constant supply of demineralised water either just for your sterilizer, or indeed for other equipment within the practice.

**USB data logger** – This option records the cycle data onto a memory stick. The information can be downloaded onto a PC via the supplied software. Information can be displayed numerically or graphically.

**Test kits** – It is essential to ensure on a regular basis that your autoclave is performing correctly. LTE can provide Bowie Dick test packs for porous loads, Helix Test kits for hollow instruments, along with Chemical indicators and spore kits to check each sterilization cycle. For the spore kits we also supply the 8-hole electronic incubator.

### Options and accessories

Cat. No	Description
NM/PWD/01	Water distillation unit. Electrical, free-standing
NM/AQD/01	Water demineralisation system with visual conductivity meter. Wall-mounted
NM/DATA/01	USB data logger for electronic storage of cycle data, including PC software.
NM/BDT/01	Bowie Dick Test kit
NM/HLX/01	Helix test kit
NM/SPR/01	Spore test kit
NM/INC/01	Electronic Incubator, 8-holes, for spore samples.

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



6 Litre Model

