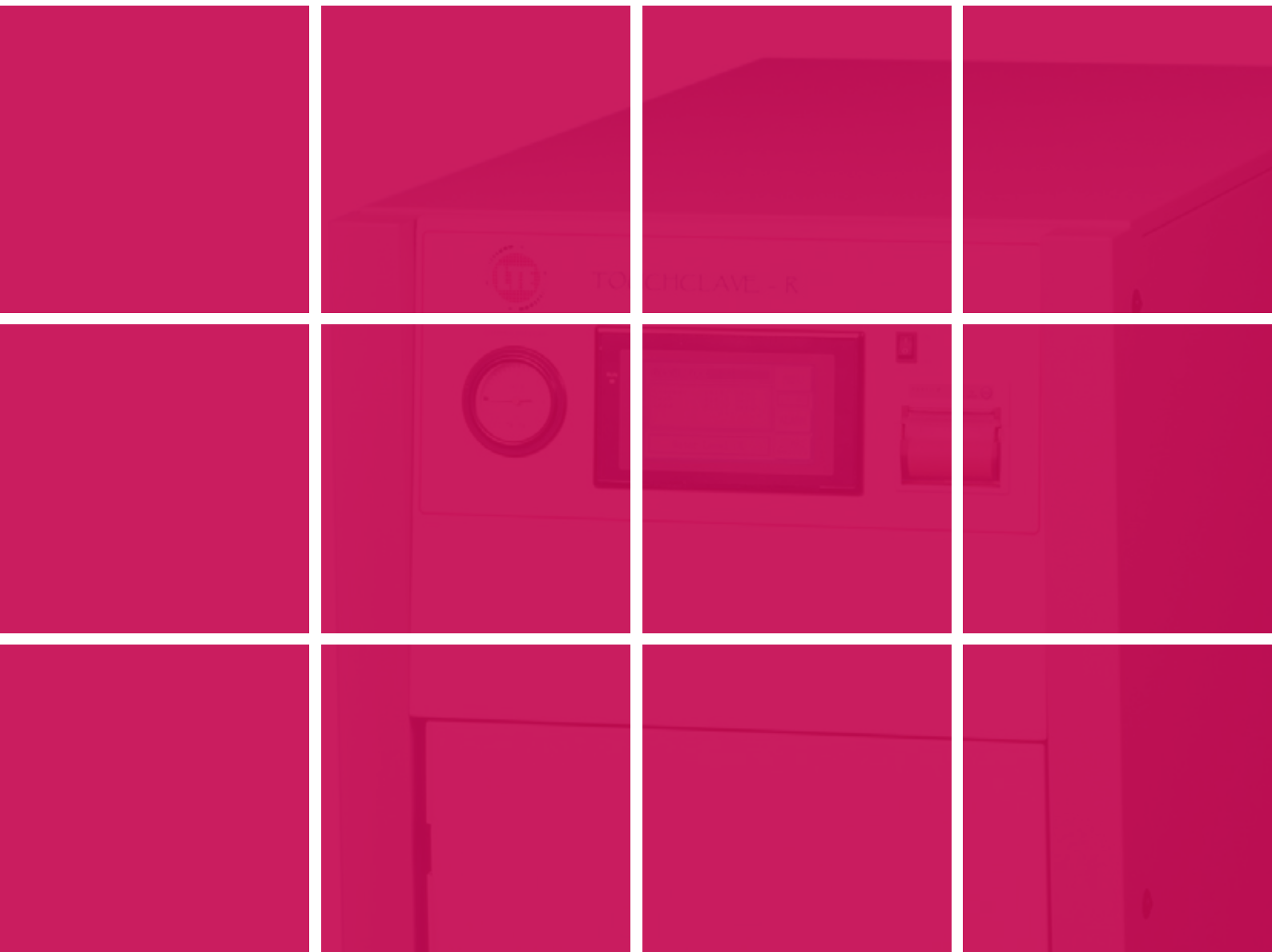




Laboratory Autoclaves

Cylindrical section autoclaves from 23 to 160-litres



Touchclave-R

IN-CHAMBER HEATING

Available in 40, 60, 120 and 160-litre sizes, with a choice of front or top loading. Ideal for many laboratory sterilization applications, the Touchclave-R range has been designed with flexibility and reliability in mind and is ideal for installation in laboratories which do not have access to a drain or water supply.

Equipped with features not normally seen on this type of sterilizer, Touchclave-R provides unrivalled performance and versatility

- No-action 'push-n-seal' door with pneumatic seal and locking
- 8-program Touchscreen control system
- Compact design
- 316L stainless steel pressure vessel
- Built-in air ballast system for faster processing of liquid loads
- Load-sensed process timer
- Fan cooling system
- Operating temperatures from 105°C to 137°C

Submerged heaters within the chamber generate steam. The chamber water can be topped up either manually or automatically.

Sensors within the chamber prevent the cycle from starting or continuing if there is insufficient water.

A safety microswitch is fitted to the door which will only allow the cycle to start if the door is properly closed and locked.

At the end of the cycle, the door will not be released until both temperature and pressure have reached safe pre-set levels.

All four models are floor standing and are easily moved on castors.

Touchclave-R models can be modified to suit specific requirements such as operating from customers steam supplies or being fitted with an auto drain/fill system. Ask our sales office for more details.

TECHNICAL AND ORDERING INFORMATION

Model	Chamber litres	Loading	Chamber Dims Dia x D (mm)	Overall Dims HWD (mm)	Weight (kg)	Shelves/Positions
TCR/40/H	40	Front	350 x 415	710 x 580 x 720	120	1/1
TCR/60/H	60	Front	350 x 625	1400 x 550 x 970	205	1/1
TCR/60/V	60	Top	350 x 625	1000 x 710 x 540	210	1/1
TCR/120/H	120	Front	500 x 610	1680 x 700 x 1170	260	2/2
TCR/120/V	120	Top	500 x 610	1200 x 890 x 650	265	1/1
TCR/160/H	160	Front	500 x 825	1680 x 700 x 1170	290	2/2
TCR/160/V	160	Top	500 x 825	1200 x 890 x 650	295	1/1

MODELS AND OPTIONS/ACCESSORIES

Capacity/Loading	Standard	Pre/Post Vacuum System	Pre/Post Vacuum System, Boosted Heater
40-litre Front Loading	TCR/40/H1	TCR/40/H5	TCR/40/H5B
60-litre Front Loading	TCR/60/H1	TCR/60/H5	TCR/60/H5B
60-litre Top Loading	TCR/60/V1	TCR/60/V5	TCR/60/V5B
120-litre Front Loading	TCR/120/H1	TCR/120/H5	TCR/120/H5B
120-litre Top Loading	TCR/120/V1	TCR/120/V5	TCR/120/V5B
160-litre Front Loading	TCR/160/H1	TCR/160/H5	TCR/160/H5B
160-litre Top Loading	TCR/160/V1	TCR/160/V5	TCR/160/V5B



Cat. No.	Description
TC/TDP/02	Thermal data printer
TC/IDA/01	Internal Data Archiving*
TC/AWF/01	Automatic water fill*
TC/ADD/01	Automatic drain for chamber water*
TC/CON/02	Air cooled condensate unit* (included on vacuum models)
TC/FIL/01	Cat. 3 effluent retention upgrade (including 0.2micron exhaust filter)*
TC/KWF/01	Media keep warm facility *
TC/HST/01	Electric hoist for all top loading models*
TC/VOL/01	Conversion to 60Hz electrical supply (non-vacuum models)*
TC/VOL/02	Conversion to 60hz electrical supply (vacuum models)*
TC/MOR/R0	Morrison discard box for TCR/40/H
TC/MOR/R1	Morrison discard box for TCR/60/H
TC/MOR/R2	Morrison discard box for TCR/120/H
TC/MOR/R3	Morrison discard box for TCR/160/H
TC/MOR/R4	Morrison discard box for TCR/60/V
TC/MOR/R5	Morrison discard box for TCR/120/V
TC/MOR/R6	Morrison discard box for TCR/160/V
TC/BAS/R0	Basket for TCR/40/H
TC/BAS/R1	Basket for TCR/60/H
TC/BAS/R2	Basket for TCR/120/H
TC/BAS/R3	Basket for TCR/160/H
TC/BAS/R4	Basket for TCR/60/V
TC/BAS/R5	Basket for TCR/120/V
TC/BAS/R6	Basket for TCR/160V

Items marked * are factory fit options

SITE SERVICES

Water - Potable water with a maximum hardness of 50ppm CaCO₃ is acceptable. Otherwise check with LTE for suitability. For automatic water fill versions, connection is via a 15mm diameter water inlet.

Drain - Not required on standard units although we always recommend connection to 100mm drain where possible. For models fitted with auto-drain and/or vacuum a 100mm drain is required. See site services sheet for full details.

Electrical - See table below. Models are 220/240V (1-Phase) or 380/440V (3-Phase), 50Hz. For other voltages/frequencies, see options or check with LTE.

	Front Loading Models		Top Loading Models	
	TCR/120/H	TCR/160/H	TCR/120/V	TCR/160/V
1-Phase	7.5kW / 35A	8.5kW / 35A	6.5kW / 35A	7.5kW / 35A
1-Phase Boosted	N/A	N/A	N/A	N/A
3-Phase Boosted	9kW / 20A / ph	10.5kW / 20A / ph	9kW / 20A / ph	9kW / 20A / ph

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