

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.

Touchclave-R

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 - See page 17 for details
- Compact design
- 316L stainless steel pressure vessel
- Built-in air ballast system for fast 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.

Seven models in four chamber sizes are offered, including a bench top model (40 litre front loading). The remaining models are floor standing, with three top loading and three front loading options. All floor standing models 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.



Touchclave-R Technical Information

Technical and Ordering Information

Model	Chamber litres	Loading	Chamber dims, mm Dia x D	Overall dims, mm HWD	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	40-litre	60-litre		120-litre		160-litre	
	Front	Front	Top	Front	Top	Front	Top
Standard	TCR/40/H1	TCR/60/H1	TCR/60/V1	TCR/120/H1	TCR/120/V1	TCR/160/H1	TCR/160/V1
Enhancement Packages							
Pre/Post vacuum system	TCR/40/H5	TCR/60/H5	TCR/60/V5	TCR/120/H5	TCR/120/V5	TCR/160/H5	TCR/160/V5
Pre/Post vacuum system boosted heater	TCR/40/H5B	TCR/60/H5B	TCR/60/V5B	TCR/120/H5B	TCR/120/V5B	TCR/160/H5B	TCR/160/V5B



Model	Accessories
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/FIL/01	Cat 3 effluent retention (0.2 µm filter)*
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/CBD/01	Lockable storage cupboard/support stand for TCR/40/H, including 4 x castors
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/M
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/H
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/160/V

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. Prices based on 220/240V (1-Phase) and 380/440V (3-Phase), 50Hz. For other voltages/frequencies, see options or check with LTE.

	Front Loading Models				Top Loading Models		
	TCR / 40 / H	TCR / 60 / H	TCR / 120 / H	TCR / 160 / H	TCR / 60 / V	TCR / 120 / V	TCR / 160 / V
1-Phase	2.5kW / 13A	5.5kW / 25A	7.5kW / 35A	8.5kW / 35A	5.0kW / 20A	6.5kW / 30A	7.5kW / 35A
1-Phase Boosted	3.5kW / 20A	7kW / 32A	N / A	N / A	6kW / 30A	N / A	N / A
3-Phase Boosted	N / A	N / A	9kW / 20A / ph	10.5kW / 20A / ph	N / A	9kW / 20A / ph	9kW / 20A / ph



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.