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100 YEARS OF EXPERIENCE



E-RANGE Square Section Autoclaves

| 125 | 216 | 360 | Litres

E-RANGE

The "E" range of laboratory autoclaves has been designed for efficient, cost-effective sterilization of culture media, discard, glassware etc. in the quality conscious microbiology laboratory. Vacuum is available for more demanding applications.



Standard features

- Manual sliding door
- Small 'footprint'
- Space-efficient Square Chambers
- 3 standard sizes
- 5.7" full colour touchscreen
- PLC controller
- 5 Password Levels
- Multi-Program
- Data archive
- Over-temperature protection
- Media Holdwam
- Delayed Start
- Corrosion Resistant Panelwork
- Air Cooling as standard

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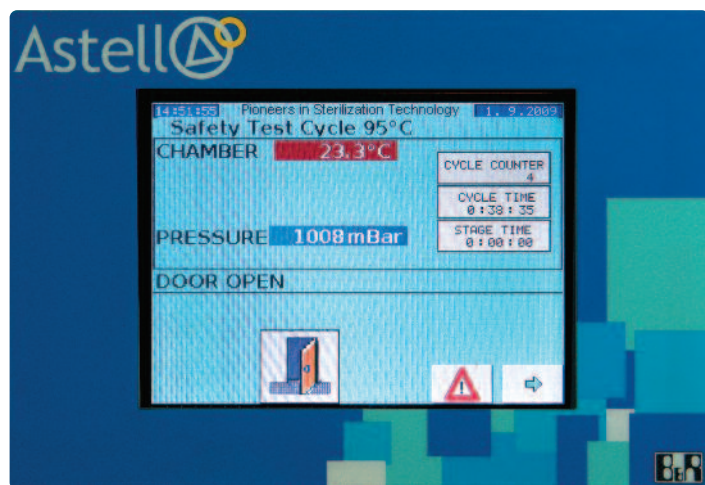
Technical details

Reference	Heating Type	Power Requirement	Chamber Litres	Internal Chamber Dims w x h x d	Overall Dims w x h x d
MNS125E	Heaters in Chamber	415V 3ph N 16kW	125	500 x 500 x 500	780 x 1750 x 1000*
MNS216E	Heaters in Chamber	415V 3ph N 16kW	216	600 x 600 x 600	880 x 1750 x 1100*
MNS360E	Heaters in Chamber	415V 3ph N 16kW	360	600 x 600 x 1000	880 x 1750 x 1500*

N.B. For Direct Steam units Reference suffix becomes D (i.e. MNS125E becomes MNS125D).

*Units with vacuum are 200mm deeper.

The new Logi control system



The New Logi control systems are an advance in sterilization control technology, bringing together years of unrivalled experience, to produce a user friendly, fully automatic control system, to meet and exceed the expectations of the most demanding laboratories and centres of sterilization.

The controller consists of a wipe clean touch screen measuring 122mm x 94mm and is based on an industrial PLC controller, combined with a number of analogue and digital input/output modules. The controller software has been developed by Astell for the precision control of autoclaves.

- Full Colour Touch Screen
- Icon Driven
- Password Protected Security System
- Multiple Access Levels
- Simple Cycle Selection
- Optional RS232 Interface / Port allowing connection to other peripheral devices such as a printer
- Operator Interface
- Enables continual monitoring
- Individual analogue channels are displayed
- Temperature / Pressure etc
- Continuous Data Archiving
- Self-Help Tutorial

Installation

Power: -3 phase 380-440v (phase-phase) 50 or 60Hz.
For use on 3 phase power supplies of 200-240v (phase-phase) please specify option AAN110 at time of order.
NB. A neutral line and protective earth are required for all electrically heated units.

Water: (For units with Autofill & Vacuum, or Exhaust Heat Exchange System) 2-6 Bar, 25C max (Vacuum units).

Drainage: Free venting Non Maniforded drain (54mm dia) capable of withstanding temperatures up to 100°C.

Direct Steam Heated Models

Steam: A supply of Dry saturated steam at 4.0bar is required for direct steam models.

Please contact our service department for details of Installation, Commissioning and Validation +44 (0)208 309 2000 - email service@astell.com

Additional options available

Reference	Description
AAN014	Load Sensed Process Timing
AVC005	Category III Compliance - Vacuum Models
AAP019	Autofill
AAN420	Exhaust Heat Exchange System
AAR130	Integral Data Printer
AAR120	RS232 Interface
AAR122	Ethernet Interface
AAP006	Assisted Air Cooling
IQ/OQ	Document Package
AAW001/AAW002	Water Softener
AAQ300	Discard Container 300x300x300mm
AAQ600	Loading System 1 External Trolley & 1 Internal Truck
AVC002	Pre/Post Vacuum System

Standards Compliance

ISO9001: 2008
ISO13485: 2003

Pressure Equipment Directive (EN/97/23/EC)
Medical Devices Directive (93/42/EC & 2007/47/EC)

ISO 17025:2005 (UKAS)
IEC 61010



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Due to product improvement and development, Astell Scientific reserve the right to make changes without notice. E&OE

