

PIONEERS IN STERILIZATION TECHNOLOGY

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100 YEARS OF EXPERIENCE

# Astell

## 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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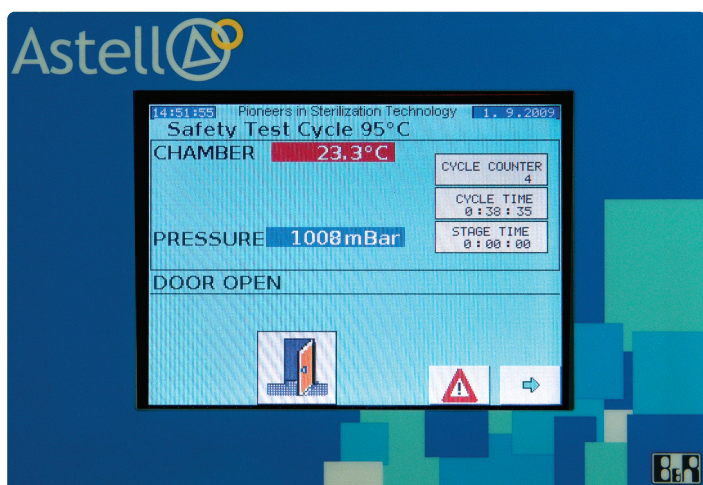
## Technical details

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 Manifoldd 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](mailto: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

