

600 | 875 | 1050 | 1200 | 1400 Litres



www.astell.com sales@astell.com +44 (0) 208 309 2031

The Astell SQUARE MAX Range

600 to 1400 Litres



SQUARE MAX Range

The Astell Scientific SQUARE MAX range offers the choice of five different chamber sizes ranging from 600 to 1,400 litres in different configurations, including 1 or 2 door (pass through) models.

The SQUARE MAX range is highly customisable with additional options available that enable the unit to be capable of sterilizing almost anything.

Popular optional extras for the SQUARE MAX range include a loading system designed to perfectly fit the chamber, a printer for real time cycle printouts and a variety of cooling methods to choose from.

Please contact us for a quotation for further information.

Features of the SQUARE MAX range include:

- Choice of 2 Heating methods (Subject to chamber size and load type)
- Automatic Sideways Opening Door
- Choice of 5 standard chamber sizes

The SQUARE MAX range is suitable for sterilizing:

- Glassware and Plastics
- Media and Fluids
- Waste (discard)
- Porous Loads/Fabrics (requires additional options)

		Door Configuration		Steam [±]				
SPECIFICATIONS	Capacity (Litres)	One (1) Door	Two (2) Doors	Automatic Door	Steam Ge (including		Chamber Dimensions (wxhxd in mm)	Overall Dimensions** (wxhxd in mm)
SQUARE MAX-600	600	4 - 11				48kW	600 x 1000 x 1000	2000 x 2000 x 1500
SQUARE MAX-875	875					72kW	700 x 1000 x 1250	2000 x 2000 x 1750
SQUARE MAX-1050	1050					72kW	700 x 1000 x 1500	2000 x 2000 x 2000
SQUARE MAX-1200	1200					72kW	600 x 1000 x 2000	2000 x 2000 x 2500
SQUARE MAX-1400	1400					72kW	700 x 1000 x 2000	2000 x 2000 x 2500

- * The unit requires a 415V, 3 Phase Neutral and Earth power supply. Additional information available on request.
- ** Dimensions are based on Single Door models fitted with a Steam Generator. Contact us for specific configuration dimensions.
- Models are also available with the facility to connect to an in house steam supply. Please contact us for details.





"Available in a range of sizes and specifications or custom built to your exact requirements the SQUARE range offers flexibility at its core"

Steam Generator

Integrated Generator

	(or in-house steam supply)
Temperature range of 100°C to 138°C (0.2 - 2.4 Bar)	
5.7" Colour Touch Screen Display & External Pressure Gauge	
5 Preprogrammed Cycles (and up to 50 available)	
Password levels (to stop low level users making changes)	
Internal memory for storing up to 5,000 cycles	
Delayed start facility	
DATA OPTIONS	
Integral Data Printer	
RS232 for Hyperterminal data output	
USB for USB Drive data output	
Ethernet for remote screen viewing (requires VNC software)	
Ethernet for downloading cycle data (requires FTP software)	
LOAD SPECIFIC OPTIONS	
Load Sensed Process Timing (PT100 Sensor)	
Advanced Vacuum (For porous loads)	
Heated jacket for drying (requires Advanced Vacuum)	
CAT 3 (BSL3) Compliance	
Air Ballast (For fluid loads, requires Load Sensed Process Timing and cooling)	
COOLING OPTIONS	
Fan Cooling (Internal)	
Water Cooling (Coils and Jacket available)	
SERVICES	
Automatic Chamber/Steam Generator Fill (Mains supply required)	
Automatic Chamber Drain (Heat resistant drain required)	
Drain Cooling (for plastic drains)	
Water Softener	
Blowdown Vessel	
Air Compressor (Required if onsite supply is not available)	
Loading Systems and Discard Containers	
Please note: For Water and Drainage requirements, please contact us for a quotation to ensure that the information provided is specific to the machine you require.	Standard Optional

Colour touch screens as standard

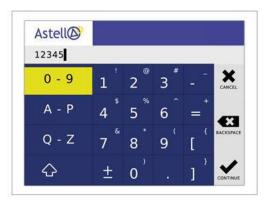
All Astell Scientific autoclaves, steam generators and effluent decontamination systems (EDS) incorporate the latest innovations in control system technology, providing colour touchscreen controllers as standard throughout the range.

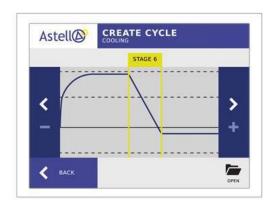
Astell colour touch screen control systems are an advance in sterilization control technology. Bringing together years of unrivalled experience, they produce a user friendly, fully automatic control system designed to meet and exceed the expectations of the most demanding laboratories and centres of sterilization.

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

Astelle PIONEERS IN STERILIZATION TECHNOLOGY TOUCH LOGO TO START TOUCH CALIBRATION







Standard Features

Icon driven menu system

Simple cycle selection

Continual cycle monitoring

SECURE

Data archiving for up to 5,000 cycles

Multiple user access levels and multi-level password protection

User log

FLEXIBLE

Ability to program up to 50 cycles

Program new cycles, modify, duplicate or rename existing cycles

Delayed start facility

Hold warm facility (if applicable)

INFORMATIVE

Digital display of pressure/temperature

Cycle counter, stage timer, cycle timer and stage display

Print any cycle from the data archive logs (printer required)

SUPPORTIVE

Fault diagnosis

Safety valve test cycle

Machine service timer

Fault history log

Standards Compliance

ISO 9001:2008 Pressure Equipment Directive (PD/97/23/EC)
ISO 13485:2012 Medical Devices Directive (93/42/EC & 2007/47/EC)
ISO 17025:2005 (UKAS)

IEC 61010

ASME "U" VIII

EN285* HTM2010* (*Where applicable)

Operating Range: 100°C - 138°C (0.2 - 2.4 Bar)





