Astell

TOP LOADING AUTOCLAVE RANGE

95 | 120 | 135 Litres

The Astell Top Loading Range

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SPECIFICATIONS	Capacity (Litres)	Chamber (usable) (Dia x Depth - mm)	Heaters in Chamber Models		Steam Generator Models	
			Overall Dimensions wxhxd in mm	Power Supply	Overall Dimensions wxhxd in mm	Power Supply
AMA250BT	95	456 x 450	660 x 940 x 840	1/3 Phase, N&E, 7/10kW	660 x 1070 x 1200	3 Phase, N&E, 14kW
AMA260BT	120	456 x 600	660 x 1070 x 840	1/3 Phase, N&E, 7/10kW	660 x 1070 x 1200	3 Phase, N&E, 14kW
AMA270BT	135	456 x 680	660 x 1150 x 840	1/3 Phase, N&E, 7/10kW	660 x 1150 x 1200	3 Phase, N&E, 14kW

OPTIONS CAPACITY

Part Name	Part ID	Dimensions (mm)	AMA250BT	AMA260BT	AMA270BT
Stainless Steel Basket	AAN042	400 (d) x 220 (h)	2	2	3
Stainless Steel Basket	AAN036	400 (d) x 400 (h)	1	1	1
Morrison Container	AAN056	390 (d) x 500 (h)	1	1	1

BOTTLE CAPACITY (Duran Type)

To the right are details of Duran bottles from 500ml to 2000ml. The first number indicates the number of a particular size bottle that can fit in the chamber and the second number indicates the quantity of AAN042 baskets required to achieve this.

* As the Duran height exceeds the basket height, in this configuration the second basket would rest on the top of the Durans in the lower basket.

Bottle Size	AMA250BT	AMA260BT	AMA270BT
500ml	26 (2)	26 (2)	39 (3)
1000ml	10 (1)	20 (2)*	20 (2)*
2000ml	5 (1)	10 (2)*	10 (2)*

"Available in 3 chamber sizes, the Astell Top Loading range are tried and tested models that stand the test of time and are used all over the world"

	Heaters in Chamber Integrated Heaters	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	■	■
Media Holdwarm 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)	□	□
Pulsar Freesteaming for improved steam penetration	□	
Basic Vacuum (Pre vacuum air removal, Post vacuum cooling)	□	
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 (Air) Cooling	□	
Water Cooling (Coils)	□	
Water Cooling (Jacket)		□
SERVICES		
Automatic Chamber Fill (Mains supply required)	□	
Automatic Chamber Drain (Heat resistant drain required)	□	
Drain Cooling (for plastic drains)	□	□
Water Softener (Heaters in Chamber models would also require Autofill)	□	□
Blowdown Vessel (for steam generator cleaning)		□
POWER		
Power Requirements (Contact us for more details)	1/3 Phase, 7/10kW	3 Phase, N&E, 14kW

Water Requirements: A water supply is required for models with Autofill, Drain Cooling or a Steam Generator fitted; 15mm bsp; 2-6 Bar, 4L/min. Units fitted with Vacuum require 15 litres per minute.

Drain Requirements: Heat resistant drains (or Drain Cooling) are required for all models. This must be floor level, 35mm, non-manifolded, capable of withstanding freeflowing steam. This must be free vented to atmosphere if sealed.

■ Standard □ Optional

Colour touch screens as standard

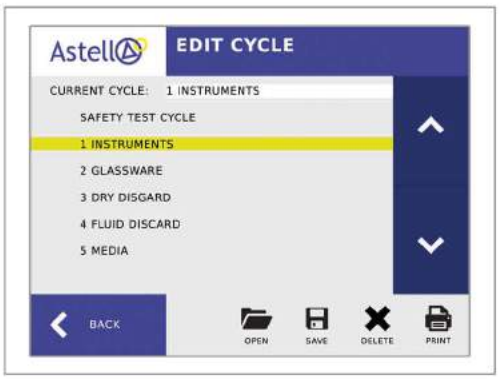
All Astell Scientific autoclaves, steam generators and effluent decontamination systems (EDS) incorporate the latest innovations in control system technology, providing colour touchscreen controllers as standard throughout the range.

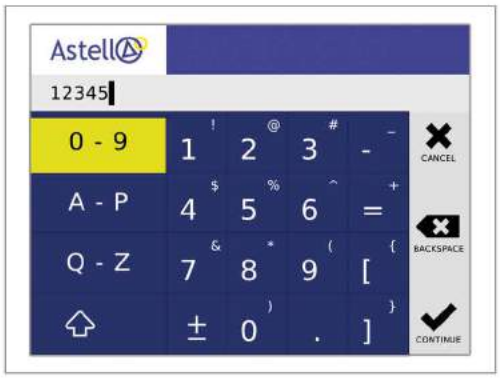
Astell colour touch screen control systems are an advance in sterilization control technology. Bringing together years of unrivalled experience, they produce a user friendly, fully automatic control system designed to meet and exceed the expectations of the most demanding laboratories and centres of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

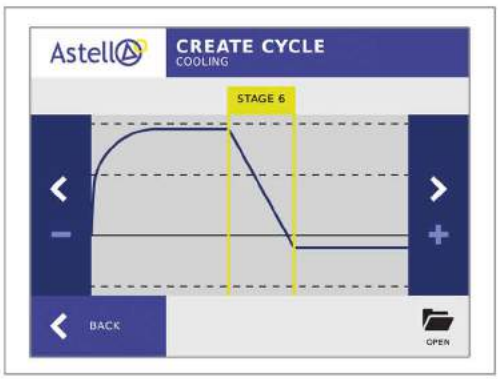
The controller consists of a wipe clean touch screen measuring 122mm x 94mm and is based on an industrial PLC system, combined with a number of analogue and digital input/output modules. The controller software has been developed by Astell for the precision control of all our autoclaves and sterilizers.

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)

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