



TOP LOADING AUTOCLAVE RANGE

95 | 120 | 135 Litres



www.astell.com
sales@astell.com

Call: +44 (0)208 309 2031

The Astell Top Loading Range

95 | 120 | 135 Litres



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.

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)*

* 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.

“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)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5.7" Colour Touch Screen Display & External Pressure Gauge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5 Preprogrammed Cycles (and up to 50 available)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Password levels (to stop low level users making changes)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal memory for storing up to 5,000 cycles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delayed start facility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Media Holdwarm facility	<input checked="" type="checkbox"/>	
DATA OPTIONS		
Integral Data Printer	<input type="checkbox"/>	<input type="checkbox"/>
RS232 for Hyperterminal data output	<input type="checkbox"/>	<input type="checkbox"/>
USB for USB Drive data output	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet for remote screen viewing (requires VNC software)	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet for downloading cycle data (requires FTP software)	<input type="checkbox"/>	<input type="checkbox"/>
LOAD SPECIFIC OPTIONS		
Load Sensed Process Timing (PT100 Sensor)	<input type="checkbox"/>	<input type="checkbox"/>
Pulsar Freesteaming for improved steam penetration	<input type="checkbox"/>	
Basic Vacuum (Pre vacuum air removal, Post vacuum cooling)	<input type="checkbox"/>	
Advanced Vacuum (For porous loads)		<input type="checkbox"/>
Heated jacket for drying (requires Advanced Vacuum)		<input type="checkbox"/>
CAT 3 (BSL3) Compliance	<input type="checkbox"/>	<input type="checkbox"/>
Air Ballast (For fluid loads, requires load sensed process timing and cooling)	<input type="checkbox"/>	<input type="checkbox"/>
COOLING OPTIONS		
Fan (Air) Cooling	<input type="checkbox"/>	
Water Cooling (Coils)	<input type="checkbox"/>	
Water Cooling (Jacket)		<input type="checkbox"/>
SERVICES		
Automatic Chamber Fill (Mains supply required)	<input type="checkbox"/>	
Automatic Chamber Drain (Heat resistant drain required)	<input type="checkbox"/>	
Drain Cooling (for plastic drains)	<input type="checkbox"/>	<input type="checkbox"/>
Water Softener (Heaters in Chamber models would also require Autofill)	<input type="checkbox"/>	<input type="checkbox"/>
Blowdown Vessel (for steam generator cleaning)		<input type="checkbox"/>
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)

