



COMPACT TOP LOADING AUTOCLAVE RANGE

63 Litres



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The Astell Compact Range

63 Litres



SPECIFICATIONS	Capacity (Litres)	Chamber (usable) (Dia x Depth - mm)	Overall Dimensions (wxhxd in mm)	Power Supply	Autofill/Autodrain
AMA440BT	63	350 x 575	530 x 1040 x 700	1 Ph, 230v, 13A, 50/60Hz	No
AMA240BT	63	350 x 575	530 x 1040 x 700	1 Ph, 230v, 13A, 50/60Hz	Yes

OPTIONS CAPACITY

Part Name	Part ID	Dimensions (mm)	AMA440BT & AMA240BT
Discard Container	AAN342	310 (dia) x 230 (h)	2
S/Steel Basket	AAN340	310 (dia) x 275 (h)	2

BOTTLE CAPACITY (Duran Type)

To the left are details of Duran bottles from 500ml to 2000ml that can fit within the two models of Astell autoclaves on this page.

** 8 x 2000ml Durans can be accommodated without the use of baskets, but this requires an additional support plate. Contact Astell for details.*

Bottle Size	AMA440BT & AMA240BT
500ml	16
1000ml	12
2000ml	6*

Autofill/Autodrain Explained

Astell's 63 litre autoclaves are available with or without Autofill/Autodrain.

Models without Autofill/Autodrain need manually filling with water and during the cycle condensate leaves the vessel via a silicone tube that can be connected to a heat-resistant bottle.

Models fitted with Autofill/Autodrain have an integral reservoir. Once filled, this provides water for up to 15 cycles, and also acts as a collection vessel for condensate and the water that is automatically returned from the chamber at the end of each cycle.

Compact models fitted with Autofill/Autodrain are totally self contained; all you need is a power supply to use the autoclave.

“Add the options you **need**; don’t pay extra for the things you don’t - Astell Compact autoclaves don’t need extra items to operate”

Heaters in Chamber

Integrated Heaters

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	☐
CAT 3 (BSL3) Compliance	
COOLING OPTIONS	
Fan (Air) Cooling	☐
SERVICES	
Automatic Chamber Fill/Drain	☐
Condensate Bottle (for models without Automatic Chamber Fill/Drain*)	☐

* For models **without** Automatic Chamber Fill/Drain, during the cycle condensate leaves the vessel via a silicone tube that must be connected to a heat-resistant bottle (optional)

☒ Standard ☐ Optional



Nelldorn Glassware Dryer

The Nelldorn Dryer provides an economical and efficient method of drying and storing most containers, glassware and plasticware. In the laboratory, volumetric flasks, measuring cylinders, test tubes and similar equipment can conveniently be dried then left on the tubes until required.

Nelldorn Glassware Dryers are:

- Capable of holding up to 60 items with 15-20 minute drying times
- Wall mountable or free standing
- Thermostatically controlled

Units come complete with a variable 120 minute timer and can dry up to 60 items at one time. The process also has a very low power consumption, so is considered more economical to run than a traditional oven dryer. Contact us for more information on this product.

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)

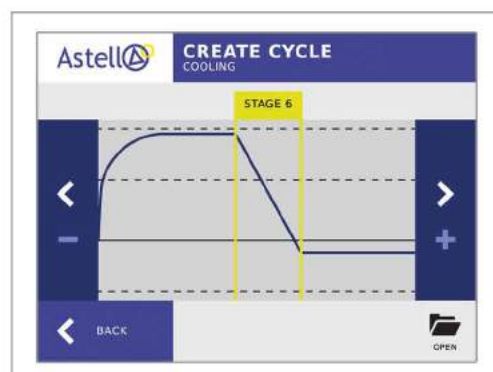
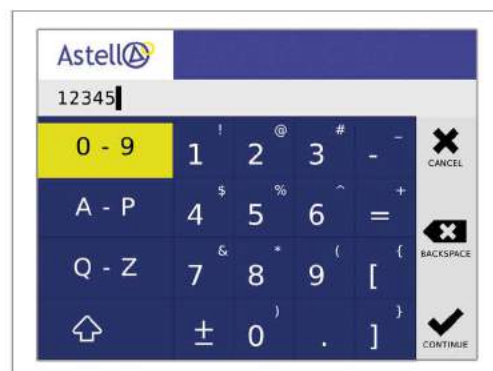
SUPPORTIVE

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)

