Astell

SWIFTLOCK AUTOCLAVE RANGE
120 | 153 | 247 | 290 | 344 Litres

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The Astell Front Loading Range

120 | 153 | 247 | 290 | 344 Litres

SPECIFICATIONS	Capacity (Litres)	Chamber (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
ASB260BT	120	450 x 635	685 x 1320 x 1100	1/3 Phase, 7/10kW	685 x 1320 x 1500	3 Phase, N&E 18kW
ASB270BT	153	450 x 865	685 x 1320 x 1310	1/3 Phase, 7/10kW	685 x 1320 x 1500	3 Phase, N&E, 18kW
ASB280BT	247	600 x 735	900 x 1405 x 1370	3 Phase, N&E, 12kW	900 x 1405 x 1750	3 Phase, N&E, 28kW
ASB290BT	290	600 x 885	900 x 1405 x 1370	3 Phase, N&E, 16kW	900 x 1405 x 1750	3 Phase, N&E, 28kW
ASB300BT	344	600 x 1085	900 x 1405 x 1570	3 Phase, N&E, 16kW	900 x 1405 x 1750	3 Phase, N&E, 28kW

OPTIONS CAPACITY

Part Name	Part ID	Dimensions (mm)	ASB260BT	ASB270BT	ASB280BT	ASB290BT	ASB300BT
Discard Container	AAN300	280 x 290 x 330 (wxhxd)	1	3	2	3	3
Container Tray	AAN080	279 x 127 x 279 (wxhxd)	2	3	2	3	3
Container Tray (capacity with middle shelf - optional extra)			4	6	6	9	9
Container Tray (capacity with middle and upper shelf - optional extras)			-	-	6	12	12

BOTTLE CAPACITY (Duran Type)

To the right are details of Duran bottles from 500ml to 2000ml. The quantity stated is based on the number of bottles that can be fitted on the standard base shelf of the autoclave.

* Indicates the additional number of bottles that can be fitted within the autoclave with the addition of the centre shelf (optional extra)

Bottle Size	ASB260BT	ASB270BT	ASB280BT	ASB290BT	ASB300BT
500ml	25	35	41(+9*)	54(+7*)	63(+14*)
1000ml	18	25	28(+4*)	35	42(+4*)
2000ml	8	12	15	18	23

"The front loading range features a tried and tested closure method and extremely high build quality to ensure an autoclave that will last for many years"

	Heaters in Chamber Integrated Heaters	Steam Generator Integrated Generator (or in-house steam supply)
Temperature range of 100^0C to 138^0C (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 Cooling (External)	☐	
Fan Cooling (Internal)	☐	☐
Water Cooling (Coils and Jacket available)	☐	☐
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, 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: 100^0C - 138^0C   (0.2 - 2.4 Bar)

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