

## Benchtop Autoclave Range

33, 43, 63 litre models

*Fitted with heaters in chamber as standard*

Astell's front loading 'Benchtop' autoclave range is available in three sizes and is totally self-contained. These units require no plumbing, and only a standard single phase power supply.

The range is available as either 'Classic' or 'Autofill'.

**Classic** – The 'Classic' version requires manual water-fill and during the cycle condensate leaves the vessel via a silicone tube that can be connected to a heat-resistant bottle.

**Autofill** – The 'Autofill' version has an integral reservoir and an in-built water re-circulation system. Once the reservoir is 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, minimising water usage.

**Other features include:**

- Media holdwarm and delayed start facility
- A 5.7" colour touchscreen with integrated USB data port
- Electropolished stainless steel chamber
- Simple pre-post vacuum option available
- Adjustable time and temperature



### Specifications

Model no.	Classic/ Autofill	Steam source	Volume (litres)	Power supply	Chamber diam. x depth (mm)	Usable chamber depth (mm)	Overall dimensions W x H x D (mm)	Required bench depth (mm)
AMB420	Classic	Heaters in Chamber	33	Single Phase, 230V, 13A, 50/60 Hz	346 x 355	294	520 x 600 x 805	670
AMB430			43		346 x 465	403	520 x 600 x 805	670
AMB440			63		346 x 668	600	520 x 600 x 1005	855
AMB220	Autofill		33		346 x 355	294	520 x 600 x 805	670
AMB230			43		346 x 465	403	520 x 600 x 805	670
AMB240			63		346 x 668	600	520 x 600 x 1005	855

*(Power consumption/dimensions may vary with the addition of certain options)*

### Bottle capacity

Below is a table identifying the number of Duran bottles it is possible to fit in to the chamber of each model using the standard base shelf.

Model no.	500ml	1000ml	2000ml
AMB420/AMB220	10	8	2
AMB430/AMB230	14	11	3
AMB440/AMB240	21	15	4



## Advanced options (Selection of this option alters the power supply requirements listed in the Specifications table)



### Simple Vacuum Option

The AVC002 vacuum utilises the standard heaters in the base of the chamber with simple pre-vacuum air removal and post vacuum cooling to effectively sterilize porous type loads and 'difficult' discard loads, but without any drying capability. Astell Ref: AVC002.

## Additional options

Load Sensed Process Timing	Ref: AAR014	Category III (BSL-3) compliance	Ref: AVQ006
Pulsar Freesteaming	Ref: AAN009	Five position shelf rack (AMB420/AMB220) Two shelves supplied	Ref: AAN025
Integral data printer	Ref: AAR130	Five position shelf rack (AMB430/AMB230) Three shelves supplied	Ref: AAN530
Remote maintenance/diagnosis	Ref: RDM101	Five position shelf rack (AMB440/AMB240) Three shelves supplied	Ref: AAN040
Ethernet interface	Ref: AAR122	Spare shelf (AMB420/AMB220)	Ref: AAN022
IQ/OQ documentation	Ref: IQ/OQ	Spare shelf (AMB430/AMB230)	Ref: AAN532
Assisted air cooling	Ref: AAP007	Spare shelf (AMB440/AMB240)	Ref: AAN043
Condensate bottle (Classic models only)	Ref: AAN308		
Morrison discard container (W:180 x H:200 x D:260mm)	Ref: AAN346		

## Options capacity

Part name	Part ref.	Dimensions W x H x D (mm)	AMB420 & AMB220	AMB430 & AMB230	AMB440 & AMB240
Morrison discard container	AAN346	180 x 200 x 260	1	2	3
5 position shelf kit	Various	Fitted to chamber	2*	3*	3*

(\*indicates the number of moveable shelves provided with the 5 position shelf kit. Additional shelves available separately)

## Installation requirements

### Power requirements:

The power requirements for the standard machines are listed in the Specifications table. Benchtop units require a standard single phase power supply. *N.B. A Neutral line and protective Earth are required for all electrically heated units.*

### Drainage requirements (Classic models only):

A condensate bottle (Ref: AAN308) or a similar heat resistant receptacle.



Touchscreen controller



Autofill reservoir



Pressure gauge



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