

Benchtop Autoclave Range

33, 43, 63 litre models

Fitted with heaters in chamber

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 'Ecofill'.

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.

Ecofill – The 'Ecofill' 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/ Ecofill	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	Ecofill		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 (Classic model only)	Ref: AVQ009
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
FDA 21 CFR part 11 controller software	Ref: CFR021	Five position shelf rack (AMB440/AMB240) Three shelves supplied	Ref: AAN040
Remote maintenance/diagnosis	Ref: RDM101	Spare shelf (AMB420/AMB220)	Ref: AAN022
Ethernet interface	Ref: AAR122	Spare shelf (AMB430/AMB230)	Ref: AAN532
IQ/OQ documentation	Ref: IQ/OQ	Spare shelf (AMB440/AMB240)	Ref: AAN043
Assisted air cooling	Ref: AAP007		
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



Ecofill reservoir



Pressure gauge





WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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