

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

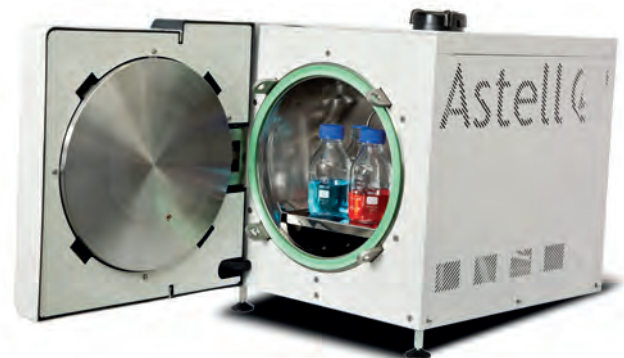
| Model no. | Classic/ Ecofill | Steam source | Volume (litres) | Power supply | Chamber diam. x depth (mm) | Usable chamber depth (mm) | Overall dimensions W x H x D (mm) | Required bench depth (mm) |
|-----------|---------------------|--------------------|-----------------|-----------------------------------|----------------------------|---------------------------|-----------------------------------|---------------------------|
| 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



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