



**Advanced options** (Selection of these options may alter the power supply requirements listed below)



**Integral Steam Generator Option**

Available as 24kW, 48kW or 72kW integral steam generator. This option helps to improve cycle times by increasing the efficiency of steam production and also includes automatic water filling as standard, removing the requirement of manually filling the machine with water between sterilization cycles (a mains water supply is therefore required for this option). Astell Ref: 24KWSG, 48KWSG or 72KWSG.



**Advanced Vacuum Option**

A vacuum option is essential for porous type loads (e.g. wrapped instruments and fabrics) or other cycles where air pockets could easily become trapped within the load. The AVC001 option is Astell's advanced pulsar vacuum, which when used in conjunction with the integral steam generator and a heated jacket enables the dry output of all loads. Astell Ref: AVC001.



**External Jacket Option**

Requiring a steam generator or direct steam, the external jacket option effectively adds an additional layer to the outside of the autoclave chamber. This can then be independently heated by the steam generator to enhance the drying process at the end of the cycle, or it can be flooded with water during cooling to aid faster cooling times. Astell Ref: AAQ302 (AAQ302C for cooling).

**Additional options**

Integral data printer	Ref: AAR130
Load Sensed Process Timing	Ref: AAR014
FDA 21 CFR part 11 controller software	Ref: CFR021
Remote maintenance/diagnosis	Ref: RDM101
Ethernet interface	Ref: AAR122
IQ/OQ documentation	Ref: IQ/OQ
Internal convection cooling	Ref: AAP102
Air ballast (requires compressed air)	Ref: AVC004
Integral air compressor (Req. for Vacuum units)	Ref: AAQ503
SPF seal (for double door machines only)	Ref: AVQ007

Drain Cooling	Ref: AAN420
Category III (BSL-3) compliance	Ref: AVQ006
Morrison discard container (W:300 x H:300 x D:300mm)	Ref: AAQ300
Additional shelf	Ref: AAQ801
Water softeners	Ref: AAW002
Blow down vessel	Ref: AAB001
Loading systems	Ref: AAQ600/2
Stainless steel pipework (primary)	Ref: AAS001
Stainless steel pipework (full)	Ref: SPL422

**Installation requirements**

**Power requirements:**

The power requirements for the standard machines listed in the Specifications table are 415 V, 3 Phase, with Neutral and Earth. Requirements can vary depending on the configuration and options selected. For additional details of exact power requirements please contact us.

**Water and drainage requirements:**

A cold water supply of 2-6 Bar minimum, 4 litres/min is required. Max temperature 25°C, Max flow rate 20 litres/min. Requirements vary for RO/de-ionised/hard water. Drainage: Free venting, non-manifolded drain (54mm diameter) capable of withstanding temperatures up to 100°C.



Touchscreen controller



Stainless steel pipework (optional)



Pressure gauge



Astell Scientific Ltd, Powerscroft Road, Sidcup, Kent DA14 5DT, UK

F Double Door Autoclave Range

M, hrrdm FlaG

hmen k a,vhrrdm-cd: Sdk 38 ( 8 78 3 7:

Ed chm mc, n rbgd,Rs - 1+ 2 62 Needma bg , Fd



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