

Duaclave

| 2x33 | 43 | 63 | 120 | 153 | Litres

This is the ideal autoclave where laboratory space is at a premium. The Duaclave features two identical chambers, one directly above the other.

Combining two units within one frame, the two chambers operate completely independently.

Ideal for most laboratory applications including sterilization of Liquids (Media), Discard, Glassware, and Laboratory Instruments.



Standard features

- 5.7" Full Colour Touchscreen
- PLC Controller
- Drain Valve
- Data Archive
- Timed (Delayed) Start
- Independently Controlled Chambers
- Electro-Polished Chamber
- Validation Port
- Media Holdwarm
- Cooling Lock
- Over-Temperature Protection
- Safety Valve Test Program
- Pressure Gauge
- 5 Password Levels
- Multi Program
- Emergency Stop
- Timed/Pulsed Free Steaming
- Internal Base Shelf

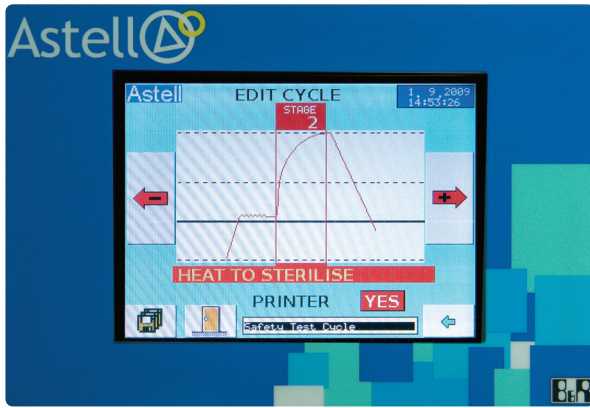
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Technical details

Reference	Steam Source	Power Supply	Volume Litres	Chamber Dia x Depth mm	Overall Dims wxhxd
AMB420TDV	Heaters in Chamber	Single Ph, 13A (each)	33 (x2)	350 x 360 (x2)	520 x 1200 x 780
AMB430TDV	Heaters in Chamber	Single Ph, 13A (each)	43 (x2)	350 x 460 (x2)	520 x 1200 x 780
AMB440TDV	Heaters in Chamber	Single Ph, 13A (each)	63 (x2)	350 x 660 (x2)	520 x 1200 x 980
ASB260TDV	Heaters in Chamber	Single/3 Ph, 30/15A, 7/10kw (each)	120 (x2)	450 x 635 (x2)	685 x 1855 x 1310
ASB262TDV	Direct Steam	Single Ph, 2A (each)	120 (x2)	450 x 635 (x2)	685 x 1855 x 1310
ASB270TDV	Heaters in Chamber	Single/3 Ph, 30/15A, 7/10kw (each)	153 (x2)	450 x 865 (x2)	685 x 1855 x 1310
ASB272TDV	Direct Steam	Single Ph, 2A (each)	153 (x2)	450 x 865 (x2)	685 x 1855 x 1310

The new Logi control system



The New Logi control systems are an advance in sterilization control technology, bringing together years of unrivalled experience, to produce a user friendly, fully automatic control system, 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 controller, combined with a number of analogue and digital input/output modules. The controller software has been developed by Astell for the precision control of autoclaves.

- Full Colour Touch Screen
- Icon Driven
- Password Protected Security System
- Multiple Access Levels
- Simple Cycle Selection
- Optional RS232 Interface / Port allowing connection to other peripheral devices such as a printer
- Operator Interface
- Enables continual monitoring
- Individual analogue channels are displayed
- Temperature / Pressure etc
- Continuous Data Archiving
- Self-Help Tutorial

Installation

Electrically Heated Models (in-vessel or steam generator)

Power: Dependent on model, please refer to table above for details. 3-Phase 380-440 volts (Phase-Phase), 50/60 Hz. 200-240 Volt single phase supply, 50/60 Hz. NB. A Neutral Line and Protective Earth are required for all electrically heated units.

Water: A cold water supply of 2 to 6 bar minimum, 4 L/min is required for the Autofill or Water Cooling (including Deluge Cooling) options. Max Temp. 25°C, Max flow rate 20L/Min.

Direct Steam Heated Models

Power: Single-phase supply of 200-240V 50/60 Hz. A Protective Earth plus Neutral is required. For use on 110 volt + 10% 50/60 Hz supplies specify option AAN110 at time of order.

Steam: A supply of DRY SATURATED steam at 4 Bar is required for Direct Steam Heated models.

All Models

Drain: Free-venting, non-manifolded drain (35mm dia) capable of withstanding temperatures up to 100°C.

Additional options available

(see Options brochure for further details)

Reference	Description
AAR130	Integral Data Printer
AAR500	Sterilization Datalogger
AAN014	Load Sensed Process Timing
AAR120	RS232 Interface
SPL285	Blow Down Vessel
AAW001/ AAW002	Water Softener
AAP018	AutoDrain
AAP102	Internal Convection Fan Cooling
ADA100	Deluge Cooling
AAP100	Advanced Water Cooling
AVC004	Air Ballast
AVC005	CAT III Compliance
AAN420	Exhaust Heat Exchange System
AAR122	Ethernet Interface
AAPO19	Autofill
AAP006	Assisted Air Cooling
IQ/OQ	Document Package
AAN080	Container Tray
AAN300	Morrison Discard Container
AAN316/AAN318	Additional Shelf Kit

NB - Opposite Hand door configuration can be offered

Standards Compliance

ISO9001: 2008
ISO13485: 2003

Pressure Equipment Directive (EN/97/23/EC)
Medical Devices Directive (93/42/EC & 2007/47/EC)

ISO 17025:2005 (UKAS)
IEC 61010



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



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