

# Autoclaves

## Swiftlock Automatic Autoclaves

Astell 

- ◆ A choice of models:
  - Front or top loading chamber
  - Automatic or manual filling
- ◆ Variable temperature range, 100 to 138°C (0.2 to 2.4bar)
- ◆ Fully automatic once filled with water
- ◆ Stainless steel vessel
- ◆ Manufactured in accordance with PED97/23EC

### Construction

**Chamber:** Grade 316L stainless steel to B55500 cat. 3, with thermocouple entry port and chamber cleaning drain.

**Outer case:** Epoxy-coated, zinc-primed, steel panels on corrosion resistant, light alloy internal frame.

**Door closure:** Patented 'Swiftlock' single action closure mechanism. Only when the door/lid is fully closed will the programmer commence the cycle and a safety locking bolt is automatically engaged.

**Controls and fittings:** 'Securetouch' programmer and cycle monitor with five pre-set programmes providing ideal sterilisation conditions for typical loads; liquids, instruments, glassware and discard. A large, 145mm, colour touchscreen display allows easy control of processes, continuous readout of programme information, times, temperatures, warnings with audible alarms, pressure, cycle stage, cycle count and a graphical output of the current cycle. A "virtual printer" function stores cycle details for easy down-load to an accessory PC or external printer via an accessory RS232 interface. Additional selectable parameters include timed free steaming, and controlled drying for instrument and glassware cycles (Autofill models only). 'Classic' models additionally feature a media Holdwarm function to maintain culture media in a liquid state after processing. A PIN-protected programme lock enables re-programming of pre-set parameters by authorised personnel. A separate analogue pressure gauge is also provided.

### Condensate drainage:

**Autofill models** feature an automatic water fill/recirculation system with reservoir that provides sufficient water for up to 20 cycles. Condensate and residue chamber water is returned to the reservoir after each cycle for re-use, providing a self-contained system.

**Classic models** have a removable, integral condensate drain bottle. Alternatively when using liquid or discard cycles waste water can be fed to an external vent rather than the drain bottle, useful where blockage or contamination is anticipated. Note: the autoclave must be refilled after every cycle in this mode.



AU170 top loading models



AU170 front loading models

### Safety features:

- Pressure activated door lock
- Overheat protection
- Two thermal cooling locks in compliance with HSE.PM73
- Audio-visual end of cycle, cycle fault, cycle interruption
- Sterilisation failure, water low and door unlocked alarms

Capacity	litres	43	63	63
Loading type		Front	Front	Top
Chamber dia. x depth	mm	350 x 460	350 x 660	350 x 640
Overall	W, mm	520	520	530
	D, mm	780	980	700
	H, mm	540	540	1040
Weight	kg	95	125	100

As described. With 'Securetouch' 5-programmer/controller, 'Swiftlock' door closure and automatic or manual filling as indicated. Front loading models are supplied with base shelf, the top loading models with a basket support plate. For 230V 50/60Hz single phase 13A supply.

**AU170-17** Swiftlock Autofill, 43 litres, front loading

**AU170-23** Swiftlock Autofill, 63 litres, front loading

**AU170-42** Swiftlock Autofill, 63 litres, top loading

**AU170-56** Swiftlock Classic, 43 litres, front loading

**AU170-63** Swiftlock Classic, 63 litres, front loading

**AU170-72** Swiftlock Classic, 63 litres, top loading

### Options for both models

FACTORY FITTED and MUST BE ORDERED AT THE SAME TIME AS THE AUTOCLAVE.

**AU174-05** Load sensed process timing module, with 'wandering probe'

**AU174-08** Fan assisted cooling

### Accessories

**AU176-03** RS232 interface

### Shelf racks for front loading chambers

**AU177-14** 5-position, with 3 shelves for AU170-17 and -56

**AU177-18** 5-position, with 3 shelves for AU170-23 and -63

### Discard containers and Basket

**AU177-34** For AU170-17 (accepts 2) and AU170-23 (accepts 3)

**AU177-39** Half-depth stainless steel basket, for AU170-42 and -72

**AU177-44** Half-depth Morrison discard container, for AU170-42 and -72