

Stand Alone Steam Generators - 48kw | 72kw

For situations where a high steam demand is required

Astell manufacture a range of stand-alone steam generators for use either with our autoclaves and sterilizers, or for direct steam supply in the pharmaceutical, medical, food and beverage industries.

Astell steam generators are designed with peak demand in mind, making them ideal for sterilizers or other systems that require instant steam in short, high demand systems.

All Astell steam generators are manufactured with stainless steel pressure vessels and stainless steel pipework, which eliminates the contamination associated with mild steel/copper systems.

If you require a larger autoclave (600 litres +), we will advise you on your Steam Generator requirements.



Technical details

Model No.	Rating	Heaters	Power Supply	Width (mm)	Height (mm)	Depth (mm)
STG048	48kW	2	3 Phase + Neutral & Earth, 48kW	800	2000	1150
STG072	72kW	3	3 Phase + Neutral & Earth, 72kW			

Standard Features

- Electrically Heated
- Clean Steam Generation*
- TouchScreen PLC Controlled
- Designed with Storage Capacity
- Stainless Steel Pressure Vessel
- Stainless Steel Pipework
- Fill Tank
- High / Low Water Indicator
- Over Temperature cut out
- Over Pressure cut-out
- Media Holdwarm/Delayed Start
- Float Switch Level Control (water)
- Easy to maintain
- Low power standby
- Stainless Steel Panelwork (Opt. Extra)
- Sight Glass (Optional Extra)

* Dependant on water quantity

	Technical Details
Water Capacity	294 litres
Working Water Level	168 litres
Max. Working Pressure	7 bar
Safety Valve Outlet	1600 mm
Blowdown Outlet	150 mm
Water Feed	150 mm
Overflow	150 mm
Steam out	1950 mm



Astell's Steam Generators are fully programmable via the Logi controller, giving constant information regarding: Pressure Vessel Status, Pressure/Water Level, Pump Status, Time / Date, Pump Status / Running / Tripped, Low water alarm, Programmable working pressure, Graphical display of water level and steam pressure. The password protected control system allows instant access, including manual control and full override.

Colour touch screens as standard

All Astell Scientific autoclaves, steam generators and effluent decontamination systems (EDS) incorporate the latest innovations in control system technology, providing colour touchscreen controllers as standard throughout the range.

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

Standard Features

Colour Touch Screen
Icon Driven Menu System
Simple Cycle Selection
Continual Cycle Monitoring



SECURE

Data Archive for up to 5,000 cycles
USB Connection for USB back up (requires additional lead)
Multiple user access levels
Multi-level password protection
User log



FLEXIBLE

Multi programmable controller
Programme new cycles
Modify existing cycles
Duplicate, modify & rename cycles
Cycle jump facility
Multiple languages
Delayed start facility
Hold warm facility
Default to factory settings
Input / output override
Capable of calculating F/0



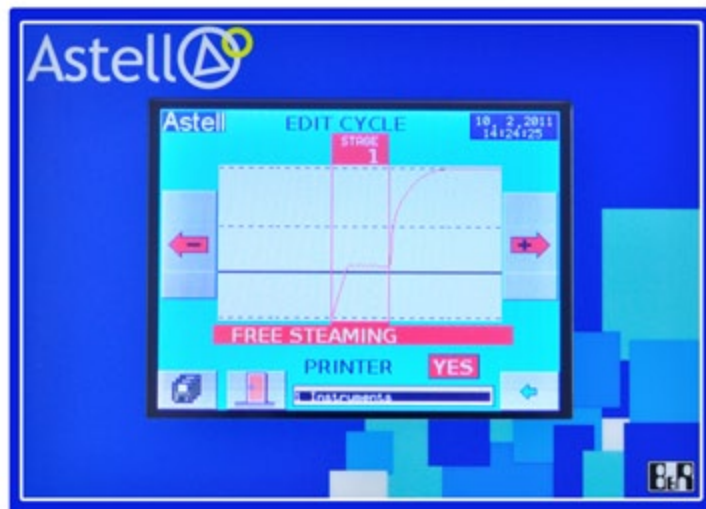
INFORMATIVE

Digital pressure / temperature display
Cycle counter
Stage timer
Cycle timer
Cycle header
Stage display
Pressure display
Up to four temperatures displayed
View input / output display
Logs batch number
Logs load number
Print any cycle from the data archive logs (printer required)



SUPPORTIVE

Self-help tutorial
Diagnose faults
Safety valve test cycle
Machine service timer
Fault history log



Pictured Right:

Electro polished pressure vessels come as standard on all our circular chambered autoclaves, allowing for easy cleaning.

