

Clarus C Hydrogen Peroxide Vapour Generator



- Dual Circuit' technology for optimum cycle times
- Closed circuit operation - no external vent required
- Siemens S7 PLC and Simatic OP7 keypad/screen, GAMP compliant software
- Compact and highly portable design
- Easily cleanable external surface
- Volt free contacts for external signals
- Communications port (RS485)
- Integral thermal paper printer
- Remote start/stop
- Simple connection, flexible supply / return hoses and pressure monitoring
- Supply and return hoses (2mtrs long)
- Cycle edit and store facility for new applications
- Effective against a wide range of micro-organisms
- Hydrogen Peroxide gas sensor
- Utilises 30% w/w AnalaR grade H₂O₂ in standard format containers
- Maximum room bio-decontamination 350m³
- Internal or External bottle options available



Clarus C Control Panel



Internal Bottle Option



External Bottle Option

Technical Specification

External materials of construction	: Top cover – glass reinforced polyester
Temperature – Operating	: 15°C to 30°C
- Storage	: -15°C to 50°C
Relative Humidity – Operating	: 75% RH maximum
- Storage	: 85% RH at 38°C maximum
Power Requirement / Consumption	: AC, 230 Volts, Single Phase, 50 Hz, 6 Amp
	: AC, 120 Volts, Single Phase, 60 Hz, 11.5 Amp
	: AC, 200 Volts, Three Phase, 50/60 Hz, 9.2 Amp
Operating position	: Upright only
Dimensions (WxHxD) – Open	: 670 x 1244 x 878mm (944 with 4l external bottle)
- Closed	: 670 x 1052 x 878mm (944 with 4l external bottle)
Shipping carton	: 730 x 13550 x 1100mm
Weight	: 140 kg, Gross shipping weight 185 kg
Maximum H ₂ O ₂ liquid volume	: 500ml internal bottle or 4 litre external bottle
Maximum waste liquid bottle size	: 500ml internal bottle, 4 litre external bottle, or external run off
H ₂ O ₂ Liquid concentration	: 30-35% w/w
Gas hoses	: 38mm I/D x 2m long
Gas hose connections	: 1.5" male/female Camlock fittings
Control system	: Siemens S7 PLC (software compliant with GAMP)
Airflow rate – Gassing	: Greater than 30m ³ /hr
Airflow rate – Conditioning / Aeration	: Greater than 40 m ³ /hr
Temperature of supply gas at outlet	: 60°C
H ₂ O ₂ liquid injection rate	: Approximate 1.0 – 8.0g/min
Refrigeration System off coil Temperature	: Approx. 2°C (from 20°C return)
Condensate removal	: Pumped to waste; internal bottle or external bottle
Inlet air HEPA filter efficiency	: 99.997%
Circuit A and B HEPA filter efficiency	: 99.997%
Catalytic filters	: Ruthenium (non-degradable)
Noise level	: Less than 60dBa at 1 metre
Room decontamination capacity	: Up to 350m ³ (subject to configuration)

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