

Clarus L

Hydrogen Peroxide Vapour Generator



- Dual Circuit' technology for optimum cycle times
- Closed circuit operation - no external vent required
- Siemens S7 PLC and Simatic TD200 keypad/screen, GAMP compliant software
- Compact and highly portable design
- Easily cleanable external surface
- Volt free contacts for external signals
- Integral thermal paper printer
- Bar code reader to scan equipment reference and H₂O₂ batch reference
- 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 enclosure bio-decontamination 10m³
- Dimensions: 511(w) x 627(d) x 938(h) mm. (closed)



Technical Specification

External materials of construction	: Top cover – glass reinforced polyester : Side panels – polyurethane coated aluminium
Temperature – Operating	: 15°C to 30°C
- Storage	: -15°C to 50°C
Relative Humidity – Operating	: 75% RH maximum
- Storage	: 95% RH (non-condensing)
Power requirement / Consumption	: AC 220 – 240V 50 Hz (Euro),6 Amp : AC 110 – 120V 60 Hz (USA),12 Amp : AC 91 – 110V 50/60 Hz (Japan),12 Amp
Operating position	: Upright only
Dimensions (WxHxD) – Open	: 511 x 1084 x 727 mm
- Closed	: 511 x 938 x 727 mm
Shipping carton	: 600 x 1120 x 810mm
Weight	: 78 kg, Gross shipping weight 100kg
Maximum H ₂ O ₂ liquid volume	: 165 ml (two bottle sizes with a range of fills)
H ₂ O ₂ Liquid concentration	: 30-35% w/w
Gas hoses	: 25mm I/D x 2m long
Gas hose connections	: 1" male/female Camlock fittings
Control system	: Siemens S7 PLC (software compliant with GAMP)
Airflow rate – Gassing	: Greater than 15m ³ /hr at 700Pa external pressure
- Conditioning/aeration	: Greater than 20m ³ /hr at 800Pa external pressure
Pressure available at outlet	: 1200Pa
Temperature of supply gas at outlet	: Greater than 50°C to 75° C
H ₂ O ₂ liquid injection rate	: Approximate 2.6g/min at 50 Hz Approximate 3.1g/min at 60Hz Approximate 4.2g/min at 50Hz (HiInjection version)
Refrigeration System off coil Temperature	: Approx. 2°C (from 20°C return)
Condensate removal	: Evaporation to a tmosphere
Inlet air HEPA filter efficiency	: 99.99%
Circuit A and B HEPA filter efficiency	: 99.99%
Pressurisation System flow rate	: 100 l/min (max)
Pressurisation System range	: -70Pa to -10Pa, +10Pa to +70Pa
Catalytic filters	: Carbon
Noise level	: Less than 55 dBa at 1 metre (free field)
Enclosure decontamination capacity	: Up to 10m ³ (subject to configuration and loading)

Your local BIOQUELL distributor:

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