

Cellexus Oxygenator

A Self-Contained Oxygen Generator for General Laboratory Use, Including Cell Culture Applications



Proven Technology

The Cellexus Oxygenator is a self-contained, standalone oxygen generator module that takes in air and concentrates the oxygen component to generate a stream of oxygen.

The Oxygenator:

- Has been designed for general laboratory use, including cell culture applications.
- Is a pre-packaged, pre-commissioned primary oxygen supply compatible with existing oxygen supply lines.
- Can be connected to any system requiring oxygen gas input, for example, in chemistry and life science related applications or for military use and in hospitals.

Cell culture systems are a prime example of life science laboratory devices that may benefit from these oxygen generation facilities to improve cell culture growth and, in this context, the system can also be dovetailed with the CellMaker PLUS bioreactor system via the CellMaker PLUS SupplyHub.

Features and Benefits

The Cellexus Oxygenator is designed to separate oxygen from compressed air by a pressurised adsorption process using molecular sieves which adsorb nitrogen allowing the remaining oxygen to pass through the system as the pure product gas.

The System:

- Provides an inflation-proof supply of oxygen - minimal cost.
- Supplies 0- 100% oxygen - enables highest levels of quality to be maintained.
- Provides reliable gas source – gives piece of mind.
- Simplifies gas procurement – gives more control.
- Is inexpensive to use – reduces costs.
- Is easy to program and use - no computer software to install or programs to learn
- Eliminates need to purchase external bottled gas - provides significant cost savings.
- Can be used "out-of-the-box" – minimises installation times.



Dimensions / Specification

Oxygenator:

Dimensions: H 506.0mm (19.92inches) W 300.0mm (11.81 inches) D 572.0mm (22.52 inches)

Dual Input Voltage: AC 110V or AC 230V

Mains Rated Power Supply: 16A @ 110V / 13A @ 230V

Mains Input Lead: IEC C19 16A 2 meter mains lead

Pressure Swing Absorption (PSA) based process

Delivering a continuous supply of oxygen at up to 4lpm

Overall system quality:

Fully CE-marked, tested to laboratory safety standard BS EN61010, and EMC standard (BS EN61326) to satisfy Low Voltage Directive (2006/95/EC) and Electro Magnetic Compatibility Directive (2004/108/EC).

Part Numbers

CellMaker PLUS Oxygenator

CEL3000001

Replacement Resin for CellMaker PLUS Oxygenator

CEL3020001

Replacement Resin cylinder for CellMaker PLUS Oxygenator

CEL3020002

Air pump for CellMaker PLUS Oxygenator

CEL3020003

Contact Details

For further details, or to request a quotation, contact us now.

Cellexus Limited

12 Ramsay Court
Hinchingsbrooke Business Park
Huntingdon
Cambridgeshire
PE29 6FY
United Kingdom

Telephone: +44 (0)1480 414843

Fax: +44 (0)1480 431271

E-mail: info@cellexusinc.com

