

# eMPOG

## Electronically activated chemical oxygen generator providing 2600 litres of breathable oxygen



### Applications

Atmosphere management technology providing pure air in enclosed environments such as safe havens, emergency refuge chambers and submarines.

### PROPERTIES

- eMPOG oxygen generators require no maintenance during storage
- Associated with a high degree of safety
- eMPOGs are packed in an airtight stainless steel canister to protect from contaminants
- Ignition source - heating element connected to a power source
- Phosphorous brass starter (supplied separately)
- Short time from stowage to operation

### How it works

Atmosphere management technology providing pure air in enclosed environments such as safe havens, emergency refuge chambers and submarines. Designed as a plug and play solid oxygen system to integrate into existing environmental control systems, enabling oxygen generation to be managed electronically via an Amphenol connector situated at the top of the eMPOG.

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## SPECIFICATIONS

	Stowage	In Use
Depth x width (mm)	C128 x 128	c128 x 128
Height (mm)	450 (from base of tin to top of starter module)	
Weight (kg)	11.5 +/- 0.5	
Storage volume (litre)	c7	
Oxygen generation (litre)		2600 @ NTP +/- 100
Delivery duration (minutes)		60 - 90
Purity of oxygen (%)		> 98
Carbon monoxide (max. ppm)		< 50
Carbon dioxide (max. ppm)		< 1000
Chlorine (max. ppm)		< 0.2
Sodium chloride - salt (max. mg/l)		< 10
Voltage (vdc)		24

## SHIPPING

Number of generators per stillage	Gross weight of stillage (kg)	Dimensions of stillage (W x D x H) cm
25 (unless otherwise stated)	380	85 x 85 x 67

## ADDITIONAL INFORMATION

**Packaging, Transportation and Disposal**

The units are not shipped with the electronic ignition module or the brass starter mechanism. The units are classified as hazardous UN 3356 oxygen generator, chemical, class 5.1. Packing is in accordance with IATA regulation for air freight (not passenger aircraft) or IMDG regulations for sea freight.

Contact local specialist waste contractors for guidance on disposal of used, part-used or damaged oxygen generators. Part-used or damaged oxygen generators are still classified as 5.1 hazardous material.

**Quality**

Molecular Products' aim is to manufacture chemical products which satisfy completely the needs of our customers. All products are rigorously tested to ensure conformance to the specification. Our activities comply with the requirements of ISO 9001.

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