

## MICRO-CONTROLLED OXYGEN GENERATOR

With air compressor included

HCM-2003 (PSA)2-33L y (PSA)4-66L



The Micro-controlled Oxygen Generator HCM-2003 (PSA) 2 and 4, has been designed to separate oxygen from the air, after passing through a molecular compound called Zeolite which, under pressure, retains the nitrogen, allowing the oxygen to pass through. It is a completely independent module whose internal workings are electronically controlled by a microprocessor.

This type of generator is completely autonomous and is equipped with its own air compressors, therefore requiring no special installation. To set up an oxygen supply simply connect the oxygen outlet of the apparatus to your oxygen distribution system and the power cable to an earthed power point, switch on the generator and set the oxygen supply flow.

It is possible to use either individually or connected to other modules, in the same range, so as to increase the capacity, depending on the needs of the user. The module is very versatile in terms of its features, covering different needs, such as: Supply of hospital networks, supply of industrial networks filling cylinders under high pressure using our Compressor OXICOMP.

CHARACTERISTICS	2003 PSA2	2003 PSA4
PERCENTAGE OF OXYGEN %	94% ± 1	
OUTLET FLOW	2m <sup>3</sup> /h ± 3%	4m <sup>3</sup> /h ± 3%
CONSTANT OUTLET PRESSURE	4 Bar.	
CONTROL OF SUPPLY OF O <sub>2</sub>	O <sub>2</sub> concentration Controlled by [O <sub>2</sub> ]	
SMART AUTO-STOP	Smart auto-stop	
ELECTRIC PROTECTION	Electric protection	
EXTERIOR CONTROL	Inlet of exterior signal of start and stop. Outlet of start and stop signal to other successive modules.	
VOLTAGE	220 V-240 V 50-60 Hz Triphasic. (To consult) 380 V 50-60 Hz Triphasic (To consult) 380 V 50-60 Hz Triphasic + Neutral	
OXYGEN OUTLET TEMPERATURE	Ambient temp. +4°	
ELECTRIC POWER	3 Kw	6 Kw
DIMENSIONS	W. 660 D. 590 H. 1.140 cm.	W. 1.420 D. 590 H. 1.140 mm
WEIGHT	209 Kg.	435 Kg.
NOISE LEVEL	64 dB	66 dB

Rv.2 08/03/2011 CEIMSA reserves the right to change dimensions or specifications without previous notice.

Ceimsa generators provide easy operation and include vital visual and sound alarms (lack of power, high and low pressure, low concentration of oxygen, etc.) including a verification of the oxygen concentration.

### Direct feeding to a Respirator



### Network feeding 2 and 4 m<sup>3</sup>/h - 4 Bar



### Network feeding 6 m<sup>3</sup>/h - 4 Bar and Cylinders Filling.



Examples offered by way of orientation.

Other combinations can be carried out.

These generators are not designed to work over 12 hours continuously due to technical dry piston compressors without lubrication. Recommended for work intermittent. This equipment fulfils EC standards. It is also very economical as no specific maintenance is required; only periodical checks every 4000 hours of operation.