

ION Oxygen Generator

6.4 SCFH (3 LPM) standard oxygen flow at up to 100 psi (6.89 bar) pressure with oxygen concentration of 99.99% HP Version (high-purity) and 99.9999% UHP Version (ultra-high-purity).

"Ultra-pure oxygen is now easier than ever to create."

INTRODUCING THE ION - A REVOLUTION IN OXYGEN GENERATION

A compact, quiet, reliable ionic oxygen generator developed using ceramic technology to produce high purity oxygen directly from the limitless air we breathe. It's a tremendous technological breakthrough in the air gas industry!

Sturdy handles on either side for two people to easily lift to wherever oxygen is needed.

Durable casing with accessible internal components.

Easy-to-use on/off button to simply start making oxygen.

Oxygen output with nozzle options to fit your needs.



Ultra pure oxygen



Truly compact



Quiet operation



Plug and play



Low maintenance

KEY FEATURES

- 6.4 SCFH (3LPM) oxygen flow
- Oxygen concentration: 99.99% (HP Version) and 99.9999% (UHP Version)
- Designed for 24 x 7 x 365 operation
- Very low maintenance
- Durable, reliable, not sensitive to humid environments
- Operates quietly at < 55 dB(A) at standard flow*
- 1 kW average power consumption
- Eco-friendly

TYPICAL APPLICATIONS

- Laboratory
- Military
- Aviation
- Others



ION OXYGEN GENERATOR

NOVAIR

PRODUCT DATA SHEET



34"



23"

16"

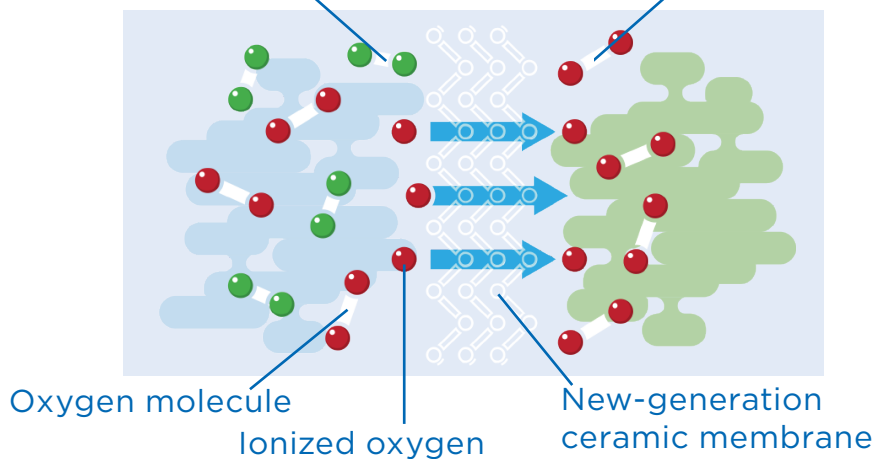
ION GENERATOR TECHNICAL DATA

Standard oxygen flow	6.4 SCFH (3 LPM) (0.18 Nm ³ /hr)
Output oxygen pressure	100 psi (6.89 bar)
Sound level	55 dB(A) at 3 ft (1 m)
Power supply	115 VAC, 60 Hz, 1 Phase, 20 Amp Circuit
Average power consumption	1 kW
Operating environment	Min: -4 °F (-20 °C), Max: 122 °F (50 °C)
Oxygen outlet fitting	1/4" Compression Fitting
Oxygen concentration	99.99% HP Version, 99.9999% UHP Version < 1 ppm Nitrogen
Approximate weight	160 lbs. (73kg)
Dimensions	16" W x 34" D x 23" H (41cm W x 86cm D x 58cm H)

Additional options available, please speak with a representative to learn more.

HOW IT WORKS -- REVOLUTIONARY IONIC TECHNOLOGY

Nitrogen molecule Recombined oxygen molecule



The atmosphere is virtually an endless source of free oxygen. Using a specialized non-porous ceramic membrane, ION's electrochemical process selectively converts gaseous molecular oxygen into atoms of ionized oxygen that are immediately drawn into the front-side of a solid ceramic crystal which only accepts oxygen ions. A small applied DC voltage, (smaller than 1 volt), forces oxygen ions to migrate through the ceramic crystal until they emerge on the back-side of the ceramic membrane and are immediately converted back into molecular oxygen.

Disclaimer: NOVAIR ION Oxygen Generator is not currently cleared for medical use.

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