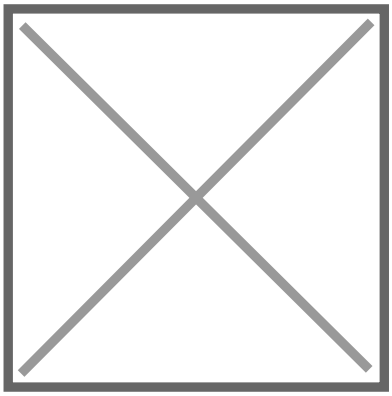
# LP560ME Marine Nitrox Generator

**SKU:** 7062ME

**Price:** ?0.00



## Description

The LP560ME Marine Nitrox Generator™ uses a rotary screw low pressure (LP) compressor, air/oil aftercooler, (optional) refrigerated air dryer, and filtration to provide the membrane system with a source of clean, pressurized feed air for separation. The air is filtered to CGA Grade D or better air quality prior to entering the wall-mounted membrane system so it will not damage or plug the membrane fibers. Specifications for Grade D air are provided in the Operational Manual appendix.

The LP560ME membrane system is rated for a maximum feed air pressure of 300 PSI (21 bar) and has been configured to work well with the 175 PSI (12 bar) maximum pressure delivered by the LP compressor. A back-pressure regulator is used to adjust the amount of air the screw compressor produces to meet the appropriate levels for various O2% nitrox production. The air is then heated to a temperature that provides stability over a wide range of ambient conditions, is optimal for membrane permeation, and prevents moisture condensation.

The nitrox system allows for efficient and cost-effective nitrox production using electric power, without the hazards or expense of partial pressure blending with stored high pressure oxygen (O2). Instead, the system uses a semi-permeable membrane to produce nitrox from air. A portion of the nitrogen in air is separated out, leaving an enriched air nitrox mixture. Produces 22-40% enriched air nitrox or can also pump air.

## Features

- Nuvair Nitrox Membrane System with two (2) oxygen analyzers
- Automatic shutdown for high pressure and temperature
- Automatic condensate drains
- Refrigerated air dryer for long filter life
- Hankison LP filtration for membrane system
- Microprocessor control or manual control for managing pressure, temperature and maintenance

## Advantages

- Simplest, most cost-effective nitrox system available
- Supply LP air or nitrox containing 21-40% oxygen
- None of the costs, hassles, or hazards of oxygen blending
- Systems to fit most HP compressors
- Rotary screw LP compressor provides quiet operation and low maintenance
- Made to install below deck In hot engine rooms
- Compact size

## Specifications

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| **Physical Specifications** | **Height** | 49.5 in (126 cm) |
| | **Width** | 27 in (69 cm) |
| | **Depth** | 48 in (122 cm) |
| | **Weight** | 685 lb (311 kg)* |
| | **Horsepower** | 20 hp (15 kW) |
| **Full Load Amps** | **440 V / E3 / 50-60 Hz** | 33 A |
| | **400 V / E3 / 50 Hz** | 38 A |
| | **230 V / E3 / 50-60 Hz** | 64 A |
| **LP Compressor** | **Capacity @ 175 psi** | 60 CFM (1700 L/min) |
| **Membrane Input** | **Operating Pressure** | 90-175 psi (6-12 bar) |
| | **Supply Air Volume** | 13-60 SCFM (354-1700 L/min) |
| | **Optimum Temperature** | 110 ±5°F(43 ±3°C) |
| **Rated to Supply** | **FAD for 40% Oxygen** | 20 CFM (560 L/min) |
| | **FAD for 36% Oxygen** | 25 CFM (707 L/min) |
| | **FAD for 32% Oxygen** | 34 CFM (970 L/min) |

* Model weight varies depending on electric motor type.
Please specify voltage and hertz required when ordering.