

Voyager Open I Water-Cooled Nitrox System

SKU: 7040.6-WC

Price: ?0.00



Description

The Voyager Open I Water-Cooled Nitrox System produces efficient and cost-effective nitrox using electric power, without the hazards or expense of 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 oxygen-rich nitrox mixture.

Features

- Continuous duty compressors
 - Water-cooled Coltri MCH16 high-pressure compressor mounted in a MiniTech frame
 - Water-cooled Champion R15 low-pressure compressor mounted in a MiniTech frame
 - Seawater pump designed to run while compressors are in use
- 2 x 7.5 hp electric motors
- Head unloaders
- Multiple power configurations
- Nuvair Electrical Control Box includes:
 - Digital hour meter for each compressor
 - Emergency stop button
 - On/off switch for each compressor
- Nuvair wall-mounted nitrox membrane system (not shown in images)
- Two (2) Nuvair Pro O₂ Analyzers
 - One analyzer for membrane mix
 - One analyzer for final mix
- Interstage pressure gauges
- Dual CAN-35 filtration system
- High-pressure shutdown

- High water temperature shutdown
- Low oil shutdown
- Nuvair low-pressure and high-pressure condensate drain systems
 - Powder coated four-port catch bucket
 - 3-gallon volume tank tied into auto drains

Advantages

- Complete state-of-art low-pressure/high-pressure nitrox generating system
- Designed for vessel use
- Pumps air up to 5000 psi (345 bar) and generates 22-40% nitrox (?EANx40) at 3600 psi (250 bar)
- Open model for cool running and easy maintenance access

Options

- Air-cooled system
- 20 CFM refrigerated air dryer for extended filter life on air-cooled systems
- CO, CO₂, H₂S or moisture analyzers
- Nitrox manager
- CO₂ scrubber
- High/Low oxygen percentage automatic shutdown
- Dial-a-pressure shutdown

Specifications

Nitrox Generator Model	Voyager I Open	
	Height	52 in (132 cm)
Physical Specifications	Width	38 in (97 cm)
	Depth	49 in (125 cm)
	Weight	840 lb (382 kg)
		208-230 V / E1 / 60 Hz 32 A
Full Load Amps		208-230 V / E3 / 60 Hz 49 A
		380-415 V / E3 / 50 Hz 32 A
		440-480 V / E3 / 60 Hz 28 A
Cooling System Options	Water	SKU 7040.6-WC
	Air	SKU 7040.6
LP Compressor	Capacity @ 175 psi	23.5 CFM (666 L/min)
Horsepower	LP Compressor	7.5 hp (5.5 kW)
	HP Compressor	7.5 hp (5.5 kW)
HP Compressor	FAD for 24-40% O ₂	7 CFM (198 L/min)