

Traveler HP Portable Nitrox Generating System

SKU: 7051-HP / 7051-HP-G

Price: ?0.00



Description

The Nuair Traveler HP nitrox system allows for efficient and cost-effective nitrox production using gas or 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. This nitrox mixture can be pumped up to a maximum pressure of 3600 psi (250 bar) when filling scuba cylinders.

The nitrox membrane requires a low pressure (LP) air source to make nitrox. High pressure (HP) air from scuba cylinders or storage tanks—along with a regulator—can be used to supply this LP air to the membrane system. Simple-to-operate, reliable and versatile, without the hassles or hazards of oxygen partial pressure blending. It is also portable and lightweight, making for easy transport.

The Traveler is designed to fill scuba-sized cylinders, not larger storage tanks.

Features

- 6 CFM nitrox membrane system with oxygen analyzer
- Electric (single/three phase) or gas powered
- HP compressor pumps air to 4500 psi (310 bar) and nitrox to 3600 psi (248 bar)
- Rigid powder-coated welded aluminum frame
- Static mixing tube and air intake filter
- Produces its own high pressure supply air**

Advantages

- Pump HP air or nitrox containing 21-40% oxygen

- Lower costs, less hassles and hazards compared to O₂ blending
- Can use HP air from scuba cylinders to make nitrox
- Simple to operate, reliable and versatile
- Portable and lightweight for easy transport

Options

- Automatic HP condensate drains
- Automatic fill pressure stop
- Automatic high temperature shutdown
- Stainless steel compressor frame
- Hour meter

** Using two scuba-sized tanks, one tank can provide high pressure air for nitrox generation and the second tank is filled with the nitrox produced.

Motor Options

115 V / E1 / 50 Hz	12 A SKU 7051.0-HP
208-230 V / E1 / 60 Hz	17 A SKU 7051.1-HP
208-230 V / E3 / 60 Hz	12 A SKU 7051.2-HP
Membrane Operating Pressure	90-165 psi (6-11 bar)
Membrane Supply Air Volume	4-11 SCFM (113-312 L/min)
Membrane Optimum Temperature	110 ± 5°F (43° ± 3°C)
Nitrox Charging Rate	3.4-4.2 SCFM (95-119 L/min)
Nitrox Fill Time*	20-25 min
Power - Electric	3-4 hp (2.2-3 kW)
Power - Gas	5.5 hp (4 kW)
Dimensions (L x W x H)	51 x 16 x 22 in (130 x 41 x 56 cm)
Weight	134-140 lb (61-64 kg)

* Single 80 cu ft cylinder from 500 to 3000 psi (34 to 207 bar).