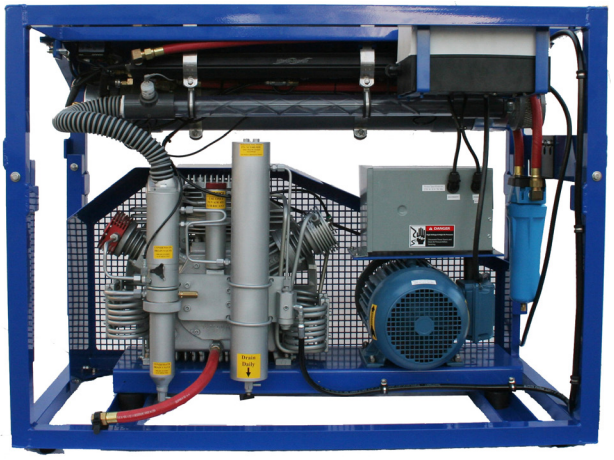
Nuvair®
Compressed Gas Solutions

NUVAIR ELEMENT HP

The Nuvair Element HP makes high pressure nitrox (22–40% oxygen) from an existing low-pressure (LP) or high-pressure (HP) air source for nitrox tank fills up to 3600 psi (250 bar) or air fills up to 4500 psi (310 bar). Although it is described as the "nitrox compressor," it can also be used to pump air. The Element HP allows for efficient and cost effective nitrox production using diesel, gas, hydraulic, or electric power, without the hazards or expense of blending with stored high-pressure oxygen (O_2). The Element HP has LP filtration and an air heater to clean and heat the air delivered to it. The two most common sources are an LP compressor (LP supply option) or HP air storage tanks (HP supply option). Information on the optional Element HP compressor packages is provided in the Element HP Nitrox System User Manual.



FEATURES

- 10 CFM Nitrox Membrane System with two (2) O_2 Analyzers
- Electric (single- / three-phase), Honda gas or Yanmar diesel
- Portable with four (4) integral lifting handles
- HP compressor: Pump air to 4500 psi; nitrox to 3600 psi with fill time of 7.5 minutes*
- Motor starter / electric start
- Grade E filtration

OPTIONS

- Automatic HP condensate drains
- Automatic fill pressure stop
- Low oil and/or high temperature shutdown
- HP interstage pressure gauges
- Hour meter

SPECIFICATIONS

230 V / E1 / 60 Hz	39A SKU 7053-16.1HPF
230 V / E3 / 60 Hz	25A SKU 7053-16.2HPF
400 V / E3 / 50 Hz	16A SKU 7053-16.6HPF
400 V / E3 / 60 Hz	11A SKU 7053-16.3HPF
Yanmar Diesel	SKU 7053.16HPF-D (Electric start)
Honda Gas	SKU 7053HPF-G (Electric start)
Required LP Supply @ 175 psi	Requires 23 CFM (665 L/min)
Membrane Input	
Operating Pressure	90–165 psi
Supply Air Volume	13–25 SCFM (354–708 L/min)
Optimum Temperature	110±5°F (43°±3°C)
HP Nitrox Compressor	
Charging Rate*	9 SCFM (265 L/min)
Horsepower – Electric	7.5 hp (5.5 kW)
Horsepower – Gas	9–11 hp (6.6–8.3 kW)
Horsepower-Diesel	9 hp (6.6 kW)
Dimensions (L x W x H)	46 × 25.5 × 35 in (117 × 65 × 85 cm)
Weight	352–450 lb (160–177 kg)

*Based on 80 cu ft cylinder from 500 to 3000 psi.
Specifictions vary depending on motor or engine used to drive compressor.

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