



## Element™ HP or LP

### Advantages

- Pump HP or LP Air or Nitrox Containing 21 – 40% Oxygen
- None of the Costs, Hassles, or Hazards of O<sub>2</sub> Blending
- Modular Design Offers Versatility and a Simple Upgrade Path
- Element HP Produces HP Nitrox from Existing HP Air Banks
- Element LP Adds Nitrox Capability to Existing HP Compressors
- Combine Both for Turnkey Nitrox Generating System



### Element HP Features

- 10 CFM Nitrox Membrane System with (2) O<sub>2</sub> Analyzers
- Electric (Single/Three Phase), Honda Gas or Kohler Diesel
- Portable with (4) Integral Lifting Handles
- HP Compressor – Pump Air to 4500 psi, Nitrox to 3600 psi
- Fill Time 7.5 Minutes (80 Cu.. Ft. Tank, 500 to 3000 psi)
- Motor Starter/Electric Start
- Grade E Filtration

### Element LP Features

- 10 CFM Nitrox Membrane System with (2) O<sub>2</sub> Analyzers
- Electric (Single/Three Phase), Honda Gas or Kohler Diesel
- Portable with (4) Integral Lifting Handles
- Supply Nitrox to an HP or LP Compressor
- Grade D LP Filtration for Membrane

### Options

- Automatic HP Condensate Drains
- Automatic Fill Pressure Stop
- Low Oil and/or High Temperature Shut Down
- HP Interstage Pressure Gauges
- Hour Meter

### Options

- Refrigerated Air Dryer
- High Temperature Shut Down
- Stainless Steel Enclosure

Element Nitrox Model		Element HP	Element LP
Physical Specifications	Height	31 in (79 cm)	44 in (112 cm)
	Width	44 in (112 cm)	44 in (112 cm)
	Depth	23 in (58 cm)	23 in (58 cm)
	Weight	352-450 lbs (160-177 kg)	400-510 lbs (182-232 kg)
Full Load Amps	230V/E3/50-60 Hz	25 A	25 A
	230V/E1/50-60 Hz	39 A	39 A
LP Compressor	Capacity @ 175 psi	Requires 23 CFM Supply Air	23 CFM (665 L/min.)
Membrane Input	Operating Pressure	90-165 psi (6-11 bar)	90-165 psi (6-11 bar)
	Supply Air Volume	13-25 SCFM (354-708 L/min.)	8-25 SCFM (212-708 L/min.)
	Optimum Temperature	110 +/- 5° F (43 +/- 3° C)	110 +/- 5° F (43 +/- 3° C)
HP Nitrox Compressor	Charging Rate	9 SCFM (265 L/min.)*	6-10 SCFM (170-283 L/min.)*
	Horsepower - Electric	7.5 hp (5.5 kW)	5-7.5 hp (3.8-5.5 kW)
	Horsepower - Gas	9-11 hp (6.6-8.3 kW)	11-13 hp (8.3-9.7 kW)
	Horsepower - Diesel	9 hp (6.6 kW)	9-10 hp (6.6-7.5 kW)

\*Single 80 Cu.. Ft. cylinder from 500 - 3000 psi Specifications vary depending on motor or engine used to drive compressor.

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