Features

- Fully integrated controls to ensure reliable oxygen production
- Rugged, environmentally tolerant design
- Compact and lightweight for maximum design flexibility
- Constant delivery pressure
- Optional oxygen concentration monitor
- Low operating cost
- Eliminates the need for an external product tank

Typical Applications

Manufacturing
- Jewelry/Brazing/Soldering

Artistic
- Glass Work/Blowing

Environmental
- Ozone (Generator) Feed Gas
- Environmental Remediation
- Waste/Water Treatment

Additional
- Fish Farming
- Cosmetic

The necessary components have been meticulously matched to optimize performance.

The Workhorse is intended to provide a turnkey solution when time or resources are not available to engineer a custom system. These PSA systems are economical and maintenance-free.

Workhorse oxygen concentrators simplify the process of oxygen system selection and setup. Simply plug the unit in and turn on for high concentrated oxygen delivered quietly and reliably. Each Workhorse is the result of the same state-of-the-art engineering that produced the Advanced Technology Fractionators® (ATF).

The Workhorse Series

Workhorse-8
- 8 SCFH (.21 Nm³/hr or 3.8 LPM)
- 9 psig (62 kPa or 0.62 barg)
- 90% ±3%/-5%
- -100°F (-73°C)
- 14 x 18 x 14 in (36 x 46 x 36 cm) (without cover)
- 43 lb (20 kg)
- ¾” FNPT
- Locate the oxygen concentrator system in a well-ventilated area that is protected from weather elements and remains between 40°F (4°C) and 110°F (43°C) inside room or operating enclosure; -20°F (-29°C) and 170°F (77°C) in storage
- 120 V ± 10%, 60 Hz, 2.8 A
- 325 W

Workhorse-12
- 12 SCFH (.31 Nm³/hr or 5.7 LPM)
- 9 psig (62 kPa or 0.62 barg)
- 90% ±3%/-5%
- -100°F (-73°C)
- 14 x 18 x 14 in (36 x 46 x 36 cm) (without cover)
- 47 lb (21 kg)
- ¾” FNPT
- 120 V ± 10%, 60 Hz, 4.0 A
- 450 W

Workhorse-15
- 15 SCFH (.39 Nm³/hr or 7.1 LPM)
- 7 psig (48 kPa or 0.48 barg)
- 90% ±3%/-5%
- -100°F (-73°C)
- 14 x 18 x 22 in (36 x 46 x 55 cm) (without cover)
- 49 lb (22 kg)
- ¾” FNPT
- 120 V ± 10%, 60 Hz, 5.0 A
- 600 W

*SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F / Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C / LPM (Liters per minute) gas measured at 1 atmosphere and 21°C
The ATF Advantage

ATF oxygen modules incorporate proven pressure swing adsorption (PSA) principles into a unique patented design, which allows these systems to be compact, efficient, rugged, and lower in cost. The ATF module offers unparalleled design flexibility and enables applications where on-site/on-board oxygen generation was previously impractical.

A patented single rotary distribution valve built into the ATF module is continuously rotated at low speed by a small motor. The valve is maintenance free, self-cleaning, insensitive to contamination, and invulnerable to wear. It sequentially directs the flow of compressed air to a group of four sieve beds (adsorption), while at the same time another four beds are purged into the atmosphere through the valve (desorption). The remaining four of the twelve beds are interconnected through the valve to equalize pressure as the sieve beds sequentially transition between adsorption and desorption. The small amplitude pressure swings generated by the ATF’s twelve sieve beds eliminate loud noise pulses, eliminate the need for a pressure regulator, and reduce compressor wear.

### Ordering Information

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<th>Assembly</th>
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### Shipping Information

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<td>18 x 23 x 18 in (46 x 59 x 46 cm)</td>
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<td>Gross Weight</td>
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<td>54 lb (25 kg)</td>
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### Warranty: 1 Year Parts and Factory Labor*

* An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator not covered under warranty.

All performance ratings based on an ambient temperature up to 100°F (38°C), up to 1,000 feet elevation, and 80% relative humidity.

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