StarGen™

99.9999% pure $O_2$
on demand
What is it?

Proprietary solid-state oxygen separation and compression technology by Praxair …a revolutionary development that will change your lab!

Product features

- Easy-to-use control panel
- Plugs into a 120V outlet
- Small footprint
- Quiet operation
- Robust design
- Multiple receiver options

Applications include:

- Point-of-use or laboratory supply
- Combustion analyzers – food, soil, oil, plastics, metals, coal …
- Calorimeters, TGAs, ASTM oxidation procedures, catalyst lab testing
- Other

The above is a pre-production prototype.

Product benefits

- Ultra-high purity oxygen/no batch-to-batch variation
- Continuous supply/minimizes run-outs and analyzer downtime
- Requires no adjustments after initial setup
- Greatly reduces cylinder handling and inventory management
- Eliminates cylinder residual losses
- Competitive pricing

Easy-to-operate

LCD Interface

"The StarGen oxygen generator supplies UHP oxygen for the LECO Organic Combustion Elemental Analyzers. We see this new technology as an ideal fit … providing a consistent source of UHP oxygen, enabling full utilization of all oxygen while eliminating the requirement of high-pressure cylinders, and the downtime and safety concerns associated with their change-outs and handling."

— Organics Product Manager, LECO.

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### What does it do?

It improves quality and increases productivity by providing laboratories with a safe, consistent and reliable supply of ultra-high purity oxygen.

### How does it work?

Oxygen ions are pumped through a patented ceramic membrane to produce high-pressure oxygen gas that is 99.9999% pure.

**Room air is directed across the generator’s proprietary ceramic membranes.**

Only the oxygen is extracted, compressed, and stored as pure oxygen that’s ready to use.

### UHP oxygen any time you need it.

The generator senses when oxygen has been used, and automatically refills the storage receivers.

### It’s maintenance-free … just plug it in and walk away.

Praxair eliminates gas management, letting you focus on your job. Once you set it up, you’ll only periodically change a filter or check the monitor. Imagine … no longer dealing with O₂ cylinders.

### Why you should install the StarGen oxygen generator now.

99.9999% pure oxygen on demand … 24/7 … without the hassles of cylinder change-outs and inventory maintenance. Imagine the impact it can have on your lab!

### For more information, call:

1-877-PRAXAIR
What customers are saying ...

“We haven’t had to use an oxygen cylinder for over a year.”

“The oxygen generator is easy to use, safe and reliable.”
— Lab Manager, Food Industry.

“Our sulfur analyzer hasn’t broken down since switching to the generator – breakdowns used to be frequent.
In a word, ‘seamless.’”
— Sr. Refinery Chemist, Oil & Gas Industry.

Specifications of Model 2L

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>99.999%</td>
</tr>
<tr>
<td>Generation rate</td>
<td>2 lpm* (NTP)</td>
</tr>
<tr>
<td>Equivalent capacity</td>
<td>Up to 10 T-cylinders/month</td>
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<tr>
<td>Pressure</td>
<td>0 to 100 psig</td>
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<tr>
<td>Power supply</td>
<td>120 VAC, 20A dedicated circuit</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.6 KW**</td>
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<tr>
<td>Environment</td>
<td>Indoor use</td>
</tr>
<tr>
<td>Weight</td>
<td>240 lbs</td>
</tr>
<tr>
<td>Height</td>
<td>30 inches</td>
</tr>
<tr>
<td>Footprint</td>
<td>16 inches W x 27 inches D</td>
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<tr>
<td>Compliance</td>
<td>UL/cUL Listed</td>
</tr>
</tbody>
</table>

*Also available in a 1 lpm capacity unit
**Average power at 50% utilization