Alpha-Series Oxygen Generators produce from 0.56 to 141.58 m³ (20 to 5,000 ft³) of oxygen per hour at up to 95.5% oxygen concentration. When electricity and a source of compressed air is supplied, these dependable machines can provide oxygen for any application.

**TYPICAL APPLICATIONS**

Manufacturing  
- Cutting/Brazing/Soldering  
- Thermal/Chemical Oxidation  
Environmental  
- Ozone (Generator) Feed Gas  
- Environmental Remediation  
- Waste/Water Treatment

Medical  
- Hospital Systems  
Glass Industry  
- Glass Work/Manufacturing/Blowing  
Additional  
- Fish Farming

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Product characteristics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Flow</td>
<td>4.21-5.13 Nm³/hr (160-195 SCFH)¹</td>
</tr>
<tr>
<td>Product Pressure</td>
<td>310-448 kPa (45-65 psig)¹</td>
</tr>
<tr>
<td>Product Concentration (nominal)</td>
<td>93%</td>
</tr>
<tr>
<td>Product Dew Point</td>
<td>-73°C (-100°F)</td>
</tr>
<tr>
<td>Dimensions (W x D x H)</td>
<td>84 x 69 x 173 cm (33 x 27 x 68 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>327 kg (721 lb)</td>
</tr>
<tr>
<td>Physical Connections²</td>
<td></td>
</tr>
<tr>
<td>Compressed Air Inlet</td>
<td>½” FNPT</td>
</tr>
<tr>
<td>Product Gas Outlet</td>
<td>¾” FNPT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control Power Requirements (Single Phase)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V – ±10%, 50/60 Hz, 3.0 A</td>
<td></td>
</tr>
<tr>
<td>220 V – ±10%, 50/60 Hz, 1.0 A</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>227 Liters/60 Gallon Oxygen Receiver Characteristics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (Dia. x H)</td>
<td>65 x 131 cm (26 x 52 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>72 kg (159 lb)</td>
</tr>
</tbody>
</table>

| ¹ Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C / SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F. |
| ² Hose and applicable adapters included with optional Factory-supplied accessory kits.

**FEATURES**

- Produces oxygen from an independent compressed air source
- Optional NEMA 4 Touchscreen control panel with integrated oxygen concentration monitor
- Microprocessor controlled
- Automatic and unattended operation
- Easy to install and maintain
- Low operating cost
Oxygen Product Flow Rate (Nm³/h)*

Feed Air Requirement**
(93% nominal oxygen)

<table>
<thead>
<tr>
<th>Feed Air Flow Requirement (Nm³/h)*</th>
<th>0</th>
<th>5.21</th>
<th>4.53</th>
<th>4.87</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 barg</td>
<td>0</td>
<td></td>
<td>20.4</td>
<td>40.8</td>
</tr>
<tr>
<td>4.5 barg</td>
<td>101.9</td>
<td>81.6</td>
<td>61.2</td>
<td>40.8</td>
</tr>
</tbody>
</table>

*Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C
**Time weighted average. Contact factory for air compressor sizing assistance.

Note: All dimensions are nominal.
### Shipping Information

<table>
<thead>
<tr>
<th>Class</th>
<th>92.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodity Classification Number</td>
<td>8421.39.8040</td>
</tr>
<tr>
<td>Dimensions (W x D x H)</td>
<td>86 x 107 x 211 cm (34 x 42 x 83 in) with Accessory Kit(s), Boxed</td>
</tr>
<tr>
<td></td>
<td>86 x 104 x 216 cm (34 x 41 x 85 in) with Accessory Kit(s) and CE Beds, Crated</td>
</tr>
<tr>
<td></td>
<td>97 x 218 x 94 cm (38 x 86 x 37 in) with CE Beds, Horizontal</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>346 kg (762 lb) with Accessory Kit(s), Boxed</td>
</tr>
<tr>
<td></td>
<td>401 kg (885 lb) with Accessory Kit(s), Crated</td>
</tr>
<tr>
<td></td>
<td>415 kg (916 lb) with Accessory Kit(s) and CE Beds, Crated</td>
</tr>
<tr>
<td></td>
<td>499 kg (1,099 lb) with CE Beds, Horizontal</td>
</tr>
</tbody>
</table>

1 Specify oxygen flow and pressure at time of order.

An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator. All performance ratings based on an ambient temperature up to 38°C (100°F), up to 304.8 meters (1,000 feet) elevation, and 80% relative humidity.