NITROX UHP High-Purity Nitrogen Generators
With Integral Oil-Free Air Compressor

These domnick hunter NITROX nitrogen generators employ pressure swing adsorption technology to produce a continuous supply of high-purity nitrogen. An integral oil-free air compressor delivers filtered compressed air (7bar/101psig) to a bed of carbon molecular sieve, which selectively removes oxygen, water vapor, carbon dioxide, and hydrocarbons. The adsorbent bed alternates between purification and regeneration modes, ensuring product nitrogen meets specified purity levels. A storage reservoir ensures a continuous supply of 99.9999% pure nitrogen. For equivalent units without an air compressor, please inquire.

Features and Benefits
- Service color indicator on each filter housing
- Safer and more convenient than high pressure cylinders
- Integral oil-free compressor ensures continuous input of high quality nitrogen, independent of in-house compressed air supply

Specifications
- Nitrogen Output:
  - Model 0751: 750cc/min
  - Model 1501: 1500cc/min
  - Model 3001: 3000cc/min
- Output Pressure: 5bar/73psig
- Output Oxygen: <10ppm
- Connections: 1/4" Swagelok®, 1/8" Swagelok for Model 0751
- Power Requirements: 110VAC, 50-60 Hz, 300W; 250W for Model 0751
- Dimensions (H x W x D):
  - Model 0751: 33 x 14 x 14 1/4" / 84 x 36 x 36cm
  - Model 1501: 33 x 14 x 26" / 84 x 36 x 67cm
  - Model 3001: 33 x 14 x 26" / 84 x 36 x 67cm
- Weight:
  - Model 0751: 79lbs / 36kg
  - Model 1501: 176lbs / 80kg
  - Model 3001: 176lbs / 80kg
Installation:

**Recommended System Layouts**

**Pipework Specifications**

It is recommended that all connecting pipework is either copper or stainless steel. For models UHP0550/1, UHPN0750/1 and UHPA0600/1 the min. pipe diameter should be 1/8". All other models must be connected to a minimum of 1/4" diameter pipework.

**Installation with Back-up Supply**

1. Locate generator in the position it will normally be sited. We recommend that the generator be sited as close to the application as possible, but do not connect gas supply pipework to generator. Refer to system layout and pipework material recommendations.

2. For compressor models UHPN1501, UHPN2501, UHPN5001, UHPA3001, remove transit bolts and place in the inside pocket of the door.

3. Remove blanking plug(s) from the outlet port(s) on the side of the generator and store in the door pocket. For models UHPN0550/1, UHPN0750/1 and UHPA0600/1 an optional 1/8" Swagelok® adaptor is supplied. For all other models a 1/4" Swagelok adaptor is supplied.

4. For non-compressor models only connect a suitable compressed air line to the generator. For compressed air specification, see the operational manual.

5. Connect the mains lead to the electrical connector on the rear of the generator and connect to a suitably rated power supply, (230V or 110V) ensuring that an earth connection exists (where required).

6. Note green “mains” light is illuminated. (If the light does not illuminate, refer to the ‘Fault Finding Guide’ in the operational manual.)

**Ordering Information:**

donnick hunter High-Purity Nitrogen Generators
Manufactured in a rigorous ISO 9001 quality system; CE approved.
One year parts and labor warranty from donnick hunter.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT. NO.</th>
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<tbody>
<tr>
<td>NITROX UHP High-Purity Nitrogen Generator, Model 0751</td>
<td>27760-U</td>
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<tr>
<td>NITROX UHP High-Purity Nitrogen Generator, Model 1501</td>
<td>27761-U</td>
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<tr>
<td>NITROX UHP High-Purity Nitrogen Generator, Model 3001</td>
<td>27762-U</td>
</tr>
<tr>
<td>4000 Hour Filter Kit (all units)*</td>
<td>27778-U</td>
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* Maintenance Schedule: Unit should be serviced every 4000 hours. There is a service meter on the unit and if 3600 hours are exceeded a light will indicate that service is needed.

An electronic version of the operational manual is available upon request. Please contact our Technical Service Department, phone: 800-359-3041, email: techservice@sial.com to receive a copy.

**Trademarks**

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