

## Product Information

### NITROX UHP Pure Air Generators

Water, dirt, or oil in compressed air can affect the performance and lifetime of sensitive analytical instruments. Using reliable pressure swing adsorption technology, domnick hunter NITROX Pure Air Generators prevent these problems by thoroughly cleaning and drying compressed air (see Specifications). Two beds of high performance desiccant alternate between moisture removal mode and regeneration mode, for continuous delivery of air at specified purity levels. High efficiency pre-desiccant and post-desiccant filtration ensures total air quality.

#### Features and Benefits

- Service color indicator on each filter housing
- Cleaner air than from most in-house compressed air systems – helps maintain performance and lifetime of sensitive analytical instruments
- Safer and more convenient than high pressure cylinders
- Lower costs with a NITROX generator and an existing compressed air supply, compared to using cylinders
- Three stages of filtration provide particulate down to 0.01 micron and hydrocarbons to 0.003 ppm. Odor free air.
- Simple installation and units can be floor or bench mounted

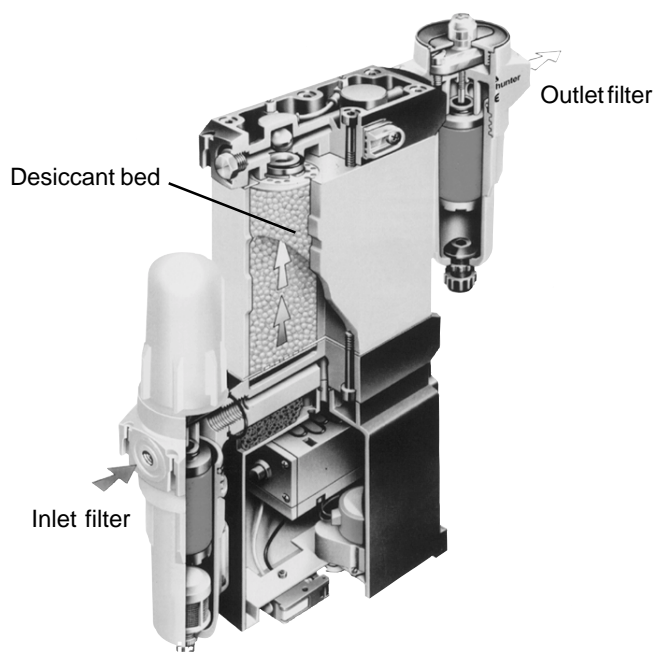
#### Specifications

<b>Input Air Required</b> (liters/min):	Model 070: 85 Model 140: 171 Model 300: 366
<b>Min / Max Inlet Pressure:</b>	4bar (60psig) / 10.5bar (152psig)
<b>Air Output<sup>1</sup></b> (liters/min):	Model 070: 70 Model 140: 140 Model 300: 300
<b>Output Air Quality:</b>	ISO 8573.1 Class 1.2.1 Dirt, Water, Oil
<b>Dewpoint at 7bar:</b>	-40°C (-40°F)
<b>Non-Methane Hydrocarbons:</b>	<0.01ppm
<b>Connections:</b>	1/4" BSP
<b>Power Requirements:</b>	110VAC, 50-60Hz, 3.6w
<b>Dimensions</b> (H x W x D):	Model 070: 15 x 12 x 4" / 38 x 31 x 9cm Model 140: 18 x 12 x 4" / 47 x 31 x 9cm Model 300: 28 x 12 x 4" / 71 x 31 x 9cm
<b>Weight:</b>	Model 070: 18lbs / 8kg Model 140: 22lbs / 10kg Model 300: 27lbs / 12kg
<b>Maximum Inlet:</b>	THC 100 ppm
<b>Compressor:</b>	Non-Oil Sealed



E000831

#### NITROX Pure Air Generator



G001370

<sup>1</sup>7bar (100psig) inlet pressure

## Ordering Information:

### domnick hunter Pure Air Generators

Manufactured in a rigorous ISO 9001 quality system;  
CE approved.

One year parts and labor warranty from domnick hunter.

DESCRIPTION	CAT. NO.
NITROX UHP Pure Air Generator, Model 070	27751-U
NITROX UHP Pure Air Generator, Model 140	27752-U
NITROX UHP Pure Air Generator, Model 300	27753-U
8000 Hour Service Kit (all models)	27771-U

**Important Note:** These units do not remove methane. Methane-free air requires a zero air generator – for models, please see our current catalog.

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](mailto:techservice@sial.com) to receive a copy.

#### Trademark

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For more information, or current prices, contact your nearest Supelco subsidiary listed below. To obtain further contact information, visit our website ([www.sigma-aldrich.com](http://www.sigma-aldrich.com)), see the Supelco catalog, or contact Supelco, Bellefonte, PA 16823-0048 USA.

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