

Gas Purification/Management

Gas Generators and Air Compressors: *Zero Air Generators*

Parker® ChromGas® Zero Air Generator (continued)

Marks

- CE approved
- UL listed
- CSA listed
- IEC 1010 certified



Description	Cat. No.	Qty
Model 1000, 110 volt, output flow: 1000 cc/min	22824	1 ea
Model 1001, 230 volt, output flow: 1000 cc/min	22830-U	1 ea
Model 3500, 110 volt, output flow: 3500 cc/min	27625-U	1 ea
Model 3501, 230 volt, output flow: 3500 cc/min	27626-U	1 ea

Nitrogen Generators

When the application allows, switching to nitrogen may lead to cost savings. Example applications include purging samples, dry-purging air monitoring collection devices to remove moisture, or purging adsorbents during regeneration steps. Nitrogen is the most plentiful component of air, and its generation is not as complex as other gases.

domnick hunter® Nitrox Hydrocarbon-Free Nitrogen Generator

This Nitrox nitrogen generator employs pressure swing adsorption technology to produce a continuous supply of hydrocarbon-free nitrogen.

- Compressed air at 101 psig (7 bar) is delivered to a bed of carbon molecular sieve, which selectively removes hydrocarbons, moisture, oxygen, and carbon dioxide
- A heated catalyst then reduces the hydrocarbons in the nitrogen stream to less than 0.1 ppm (as methane)
- Two adsorbent beds alternate between purification and regeneration modes, ensuring a continuous supply of nitrogen

An economical alternative to high pressure gas cylinders, this unit should pay for itself in a year or two.

Features/Benefits

- Eliminates need for expensive gas cylinders
- Can be used anywhere that an electrical supply is available
- Integral oil-free air compressor eliminates need for an upstream air compressor
- Two adsorbent beds alternate between purification and regeneration modes, ensuring a continuous supply of nitrogen

Specifications

- Outlet Purity: <0.1 ppm hydrocarbons (as methane)
- Outlet Purity: <10 ppm oxygen
- Outlet Pressure: 73 psig (5 bar)
- Outlet Fitting: 1/4 in. NPT
- Power Needs: 110 V (60 Hz) or 230 V (50 Hz)
- Shipping Weight: 101 lb (46 Kg)
- Dimensions (H x W x D): 33 in. x 14 in. x 18 in. (84 cm x 36 cm x 46 cm)

Marks

- CE approved



Description	Cat. No.	Qty
Model 1001, 110 volt, output flow: 1000 cc/min	27765-U	1 ea
Model 1001, 230 volt, output flow: 1000 cc/min	28366-U	1 ea