

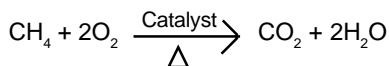
## Product Information

### Packard Zero Air Generators

We recommend using a zero air generator with flame ionization detectors. The resulting noise reduction and improved baseline stability allow lower detection limits, increasing the sensitivity of your analyses.

These Packard zero air generators produce ultra-high purity (UHP) air from a standard compressed air supply – at continuous flow rates up to 3500cc/min, at pressures up to 125psig, with less than 0.1ppm total hydrocarbons.

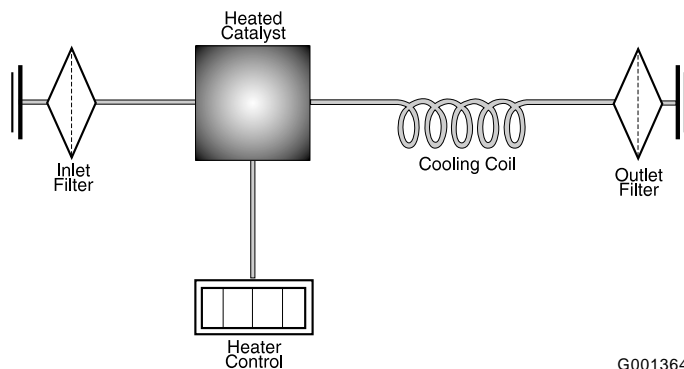
The Packard system consists of three stages: a 0.5µm coalescing inlet filter removes particles, oil, and water; a heated catalyst removes hydrocarbons; and a 0.01µm cellulose fiber outlet filter removes residual particulate material from the product air stream. Maintenance is minimal – just clean the inlet and outlet filters every 6 months and change them every 2 years.



#### Features and Benefits

- A hazard-free alternative to pressurized gas cylinders
- Require only house oil-free compressed air and a standard electrical outlet to produce ultra-high purity air
- Total hydrocarbons to less than 0.1ppm
- Stabilizing baselines and improving detection
- Certified:
  - CE approved
  - UL listed
  - CSA listed
  - IEC 1010 certified

#### Packard Zero Air Generator Schematic



G001364



P000326

#### Specifications

<b>Product Purity:</b>	< 0.1ppm total hydrocarbons (as methane)
<b>Inlet Air Pressure:</b>	2-125psig
<b>Delivery Pressure:</b>	125psig
<b>Outlet:</b>	1/8" Swagelok®
<b>Pressure Drop at Maximum Flow Rate:</b>	5psig
<b>Flow Rate Pressure Stabilization Time:</b>	<2 minutes
<b>Maximum Air Flow Rate:</b>	<b>Models 1000, 1001</b> 1000cc/min (serves 2-3 FIDs) <b>Models 3500, 3501</b> 3500cc/min (serves 10-12 FIDs)
<b>Dimensions:</b>	<b>Models 1000, 1001</b> 9.75 x 5.75 x 12" (25 x 14.7 x 30.8cm) (H x W x D) <b>Models 3500, 3501</b> 12 x 6.75 x 15" (29.2 x 17.8 x 39.4cm)
<b>Weight:</b>	<b>Models 1000, 1001</b> 11lbs (5kg) <b>Models 3500, 3501</b> 20lbs/9.1kg

#### Electrical Requirements

<b>Models 1000, 3500 (110 VAC)</b>	100-125VAC, 60Hz, 100W, 1.0A (1.5A fuse)
<b>Models 1001, 3500 (220VAC)</b>	200-250VAC, 50 Hz, 100W, 0.5A (0.8A fuse)

## Ordering Information:

### Packard Zero Air Generators<sup>1</sup>

One year parts and labor warranty from Packard.

DESCRIPTION	CAT. NO.
Model 1000 (110VAC)	22824
Model 3500 (110VAC)	27625-U
Model 1001 (220VAC)	22830-U
Model 3501 (220VAC)	27626-U

### Replacement Filters

DESCRIPTION	CAT. NO.
Models 1000, 1001 (serial no. up to 407840) inlet and outlet	22817
Models 1000, 1001 (serial no. above 407840) inlet and outlet	27629-U
Models 2500, 2501 (serial no. up to 407840) inlet	22818-U
outlet	22817
Models 2500, 2501 (serial no. above 407840), 3500, 3501 inlet	27627-U
outlet	27629-U

<sup>1</sup> CE approved.

#### Trademark

Swagelok – Crawford Fitting Co.

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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