



# ZAG Zero Air Generator



## Meets 40 CFR Part 1065 Requirements

### Description

The California Analytical Model ZAG-6L Zero Air Generator utilizes the principle of oxidation to provide a clean and dry supply of pure air for use in analytical instrumentation.

### Features

- Less expensive than cylinders
- Flow Rate 6 Liters/Minute

### Options

- External Buffer Tank (3 liter)
- NEMA 4 Enclosure

### Specifications

**Reduction Method:** Molecular Sieve Oxidation

**Output Flow Rate:** Maximum of 6.0 liters/min.  
(Free flow at atmospheric pressure)

**Output pressure:** 15-60 psig

Based on inlet pressure

**Input Air:** 12 liters/min. @ 80 psig +/- 10 psig  
And at a dew point of 3°C or less

**Shut off Alarm:** Loss of compressed air  
triggers alarm and shuts off voltage

**Maximum Outlet Concentration:**

≤ 0.02 ppm NO<sub>x</sub>, ≤ 0.05 ppm N<sub>2</sub>O, ≤ 1.0 ppm CO  
≤ 10.0 ppm CO<sub>2</sub>, ≤ 0.05ppm THC (C<sub>1</sub> equivalent)

**AIR REQUIREMENTS:** Air supply shall be at  
least 80 ±10 psig at 25 CFH (12 l/m) and have a  
maximum dewpoint of 3.0°C (37.5°F) Particulate  
matter filtration of solid liquid water and oil  
particles shall be less than 1 micron (1.0ppm  
weight/weight maximum remaining oil content).

The customer supplied compressed air source  
is introduced to the ZAG-6L which is then  
purified for use in analytical gas monitoring  
equipment.

- No Consumable Supplies
- No Service Required

- Inlet Particulate and Coalescing Filters
- Inlet and Outlet Pressure Regulators

**Front Panel:** Status indicating lights (neon)

**Output Dew Point:** -73°C (-100°F)

**Ambient Temperature:** 5-45°C

**Warm-Up Time:** 60 minutes

**Fittings:** 1/4" tube

**Power Requirements:** 115/230 VAC 50/60 Hz, 600  
Watts

**Dimensions:** 26"H x 17"W x 5"D

**Relative Humidity:** 25 Less than 90% RH

**Weight:** 46 lbs. (21 kg.)

Particulate matter filtration of fine oil aerosols shall  
be less than 0.01 micron (0.001ppm w/w maximum  
remaining oil content).

Oil vapor removal normally absorbable by  
activated carbon shall be less than 0.01 micron  
(0.333ppm weight/weight maximum remaining oil  
content).

Specifications subject to change without notice.

## California Analytical Instruments

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