



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 (10 liter)
- Inlet air dryer

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:
≤ 1.0 ppb NO_x, ≤ 0.1 ppm SO₂, ≤ 0.1 ppm CO
≤ 0.1 ppm CO₂, ≤ 0.05ppm THC (C₁ 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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