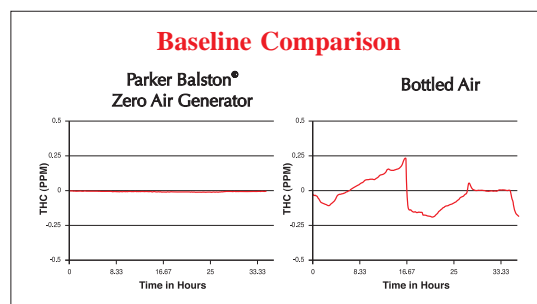


Ultra High Purity Zero Air Generators



Low, Stable Baselines

Parker's generators provide years of stable and reliable UHP zero air supply and GC operation. Unlike other zero air generators, Parker's 3500 UHP zero air generators have a built-in electronic control to maintain the voltage convertor and its optimum operating temperature. Line voltage and ambient temperature variations will not affect the absolute temperature of the heated catalyst. The quality of the produced hydrocarbon-free air is maintained for years. This worry-free operation will also give you years of predictable GC performance. UHP zero air generators increase the accuracy of the analysis by producing a cleaner baseline readout. They also significantly reduce the cleaning requirement of the FID.

- Hydrocarbon-free air generators
- Simple
- Typical payback period <1 year
- Low, stable baselines

Model Number	Number of FIDs*
ZA1000	Up to 3
ZA3500	Up to 11
ZA7000	Up to 23

**Based on a 300 ccm fuel air rate.*

Hydrocarbon-free Air Generators

Parker's zero air generators produce a continuous flow of ultra pure zero grade air from an existing compressed air supply. When used in conjunction with a Parker hydrogen generator, gas chromatographers can totally automate and control their gas supply for GC-FID's.

The UHP zero air generators reduces the total hydrocarbon content (THC) to less than 0.1ppm measured as methane. The generator produces lower, more stable baselines than cylinders thus significantly enhancing the sensitivity of GC-FID analysis.

Simple

Now you can convert house air or compressed air into UHP zero air in just three easy steps: 1) supply standard AC electrical power; 2) wait just a few minutes to warm up the catalytic converter – an operating light indicates when the system is ready; 3) supply air flow and begin using your instrument.

The zero air generator produces gas equivalent to UHP zero air cylinder gas at a fraction of the cost. An inlet 0.5 micron coalescing filter removes particles, oil and water from the air supply.

Hydrocarbons are removed when the compressed air is passed over a convertor containing a heated catalyst. And, after the air is cooled, a 0.01 micron cellulose filter is used to remove any residual particles.

Cost Effective

Parker's zero air generators produce UHP zero air, at low pressures of 2 to 125 psi – on demand. They afford the advantage of on-site gas generation. In gas savings alone, a UHP zero air generator can pay for itself in as little as six months of operation.

Time Savings

In addition to cost savings, there are valuable time savings. Now you can eliminate changing gas cylinders and save the time required to recalibrate your instrument after each cylinder change.

Specifications:

Flow rates:	Model ZA1000: 1,000 cc/min. Model ZA3500: 3,500 cc/min.
Inlet air pressure:	2 to 25 psi
Pressure drop:	5 psi at max flow rate
Stabilization:	< 2 min flowrate pressure stabilization
Outlet THC as methane:	< 0.1ppm
Max inlet THC:	200ppm
Max inlet air temp:	40° C (104° F)
Overheat shutdown:	Yes
Time for max THC purity:	30 min. w/o air flow; 45 min. with air flow
Dimensions:	10" (H) x 6" (W) x 12" (D), (ZA1000) 12" (H) x 7" (W) x 15" (D), (ZA3500) 16" (H) x 10" (W) x 13" (D), (ZA7000)
Weight:	ZA1000: 11 lbs; ZA3500: 20 lbs.
Safety:	CE Certified
Warranty:	1 year

Zero Air Generators

Cat. No.	Description
ZA1000	Model 1000, 1000 cc/min., 120V*
ZA3500	Model 3500, 3500 cc/min., 120V*
ZA7000	Model 7000, 7000 cc/min., 120V*

*Also available in 220V

Replacement Components

1647731	Inlet filter for ZA1000, also outlet filter for both ZA1000, ZA3500
1647736	Inlet filter for ZA3500
MK7840	Inlet and outlet filter for ZA7000

System maintenance is minimal. We recommend replacing the inlet and outlet filters every six months.