

Zero Air Generators

for Gas Chromatography



Zero Air on Demand, up to 30,000 ml/min

The Parker Balston Zero Air Generator can produce up to 30,000 ml/min of high purity zero grade air. Compressed air is pre filtered down to 0.01 micron and then purified using a state-of-art combined heated catalyst module.

There are no moving parts and no noise, making the generator extremely reliable and ideal to install in the laboratory. Simple and quick to install, the Zero Air Generator requires minimal maintenance just once a year.

The resultant air is free of total hydrocarbons (THC) to < 0.05ppm making it ideal for all FID applications. The low levels guarantee a low signal to noise ratio, ensuring a flat constant base line with no peaks or fluctuations.



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Product Features:

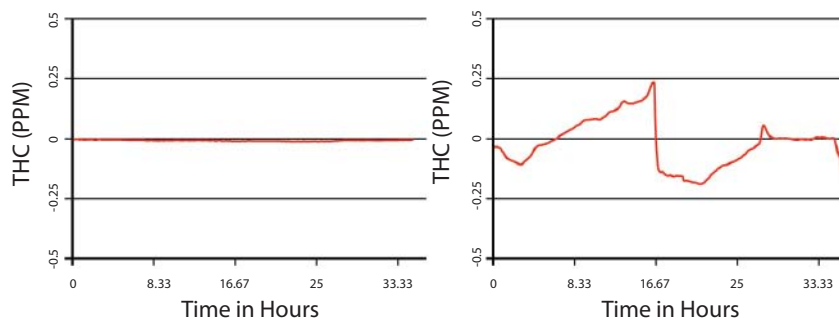
- Ultra high purity air for GC FID applications
- Eliminate inconvenient and potentially dangerous air cylinders from the laboratory
- Payback period typically less than one year
- Models available to service up to 75 FID's
- Silent operation and minimal operator attention required
- Increases the accuracy and repeatability of analysis

 
Analytical Gas Systems

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The chromatograms compare baselines produced by a Parker Balston Zero Air Generator and cylinder air.

The baseline produced by the Parker Balston Generator is very flat, with no fluctuations or peaks, in comparison with the chromatogram of the cylinder air supply, which has many peaks ranging from 0.25 ppm to -0.25 ppm



Principal Specification

Model	75-83	HPZA-3500	HPZA-7000	HPZA-18000	HPZA-30000
Purity	< 0.1ppm THC	< 0.05ppm THC	< 0.05ppm THC	< 0.05ppm THC	< 0.1ppm THC
Flow Rates	1,000 ml/min	3,500 ml/min	7,000 ml/min	18,000 ml/min	30,000 ml/min
Number of FID's*	Up to 2	Up to 8	Up to 16	Up to 45	Up to 75
Inlet Pressure	2 to 8 bar	2 to 8 bar	2 to 8 bar	2 to 8 bar	2 to 8 bar
Outlet Pressure	2 to 8 bar	2 to 8 bar	2 to 8 bar	2 to 8 bar	2 to 8 bar
Inlet Connection	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)
Outlet Connection	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)	1/4" NPT (Female)
Ambient Temperature	10 to 35°C	10 to 35°C	10 to 35°C	10 to 35°C	10 to 35°C
Electrical Requirements	230VAC - 50Hz	230VAC - 50Hz	230VAC - 50Hz	230VAC - 50Hz	230VAC - 50Hz
Power Consumption	150 Watts	220 Watts	220 Watts	440 Watts	440 Watts
Dimensions (H x W x D)	250 x 300 x 80 mm	420 x 270 x 340 mm	420 x 270 x 340 mm	420 x 270 x 340 mm	420 x 270 x 340 mm
Weight (Shipping)	2 Kg (3)	16 Kg (19)	16 Kg (19)	16 Kg (19)	16 Kg (19)

*400 ml/min per FID

Ordering Information

Description	Model Number
1,000 ml/min Zero Air Generator	75-83
3,500 ml/min Zero Air Generator	HPZA-3500
7,000 ml/min Zero Air Generator	HPZA-7000
18,000 ml/min Zero Air Generator	HPZA-18000
30,000 ml/min Zero Air Generator	HPZA-30000
Installation Kit	IK76803

Maintenance Items	Model Number	Change Frequency
Maintenance Kit for Model 75-83	MK7583	12 Months
Maintenance Kit for Models HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000	MK7840	12 Months