Zero Air Generators

Parker Balston Zero Air Generators are systems manufactured with state-of-the-art, highly reliable components engineered for easy installation, operation, and long term performance. Parker Balston Zero Air Generators are much easier to install than dangerous, high pressure gas cylinders, and only need to be installed once! All that is required is a standard compressed air line and an electrical outlet.

Parker Balston Zero Air Generators are easy to operate, there is no complicated operating procedure to learn or any labor intensive monitoring required.

Parker Balston Zero Air Generators eliminate all the inconveniences and costs of cylinder gas supplies and dependence on outside vendors. Uncontrollable vendor price increases, contract negotiations, long term commitments and tank rentals are no longer a concern; Parker Balston Zero Air Generators offer long term cost stability.

There is no need to use valuable laboratory floor space to store excessive reserves to protect yourself from late deliveries, transportation interruptions, or periods of tight supplies. With a Parker Balston Zero Air Generator, you control your supply.

Model HPZA-7000

Features and Benefits

- Produce UHP Zero Air from house compressed air (<0.05 ppm THC)
- Eliminate inconvenient and dangerous zero air cylinders from the laboratory
- Increase the accuracy of analysis and reduce the cleaning requirement of the detector
- Qualitative SMART-Display provides operational status at a glance
- Recommended and used by many GC and column manufacturers
- Typical payback period of less than 1 year
- Silent operation and minimal operator attention required
- Models available to service up to 66 FIDs

Number of FIDs*	Model Number
Up to 2	75-83NA
Up to 8	HPZA-3500
Up to 16	HPZA-7000
Up to 40	HPZA-18000
Up to 66	HPZA-30000

*Based on a 450 ccm fuel air rate.

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Principal Specifications

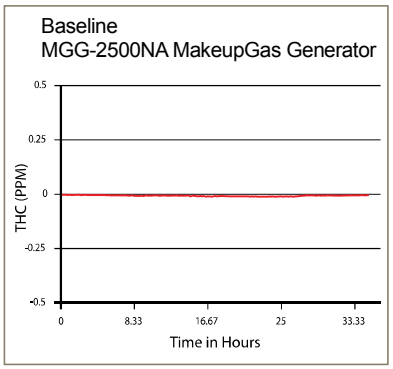
Model	75-83NA	HPZA-3500	HPZA-7000	HPZA-18000	HPZA-30000
Max Zero Air Flow Rate	1 lpm	3.5 lpm	7 lpm	18 lpm	30 lpm
Outlet Hydrocarbon Concentration (as methane)	< 0.1 ppm	< 0.05 ppm	< 0.05 ppm	< 0.05 ppm	< 0.1 ppm
Min/Max Inlet Air Pressure	40 psig/125 psig	40 psig/125 psig	40 psig/125 psig	40 psig/125 psig	40 psig/125 psig
Max Inlet Hydrocarbon Concentration (as methane)	100 ppm	100 ppm	100 ppm	100 ppm	100 ppm
Pressure Drop at Max Flow Rate	4 psig	4 psig	4 psig	4 psig	4 psig
Max Inlet Air Temperature	78°F (25°C)	78°F (25°C)	78°F (25°C)	78°F (25°C)	78°F (25°C)
Inlet/Outlet Ports	1/4" NPT (female)	1/4" NPT (female)	1/4" NPT (female)	1/4" NPT (female)	1/4" NPT (female)
Electrical Requirements [1]	120/230V, 60/50Hz	120/230V, 60/50Hz	120/230V, 60/50Hz	120/230V, 60/50Hz	120/230V, 60/50Hz
Dimensions	10"w x 3"d x 12"h (25cm x 8cm x 30cm)	1"w x 13"d x 16"h (27cm x 34cm x 42cm)	1"w x 13"d x 16"h (27cm x 34cm x 42cm)	1"w x 13"d x 16"h (27cm x 34cm x 42cm)	1"w x 13"d x 16"h (27cm x 34cm x 42cm)
Shipping Weight	7 lbs. (3 kg)	41 lbs. (19 kg)	41 lbs. (19 kg)	41 lbs. (19 kg)	41 lbs. (19 kg)

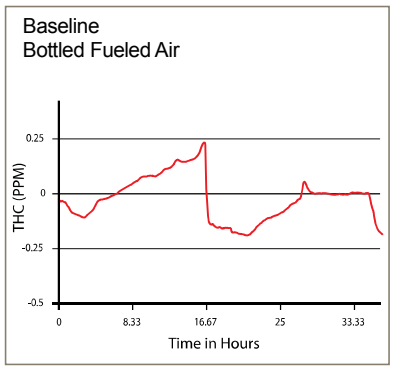
NOTES
1 Refer to voltage appendix for electrical and plug configurations for outside North America.

Ordering Information

for assistance, call 800-343-4048, 8 to 5 Eastern Time

Description	Model Number
Zero Air Generator	75-83NA, HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000
Maintenance Kit for Model 75-83NA	MK7583
Maintenance Kit for All Other Models	MK7840
Installation Kit for All Models	IK76803
Preventive Maintenance Plan	75-83-PM, HPZA-3500-PM, HPZA-7000-PM, HPZA-18000-PM, HPZA-30000-PM
Extended Support (24 Month Warranty)	75-83-DN2, HPZA-3500-DN2, HPZA-7000-DN2, HPZA-18000-DN2, HPZA-30000-DN2





The Chromatograms (left) compare baselines produced by a Parker Balston Zero Air Generator and bottled fuel air. The baseline produced by the Parker Balston Generator is very flat, with no fluctuations or peaks, in comparison with the chromatogram of the bottled air fuel supply, which has many peaks ranging from .25 ppm to -.25 ppm.