

FAST FACTS

Zero Air Generators

Flow Capacities up to 30 lpm



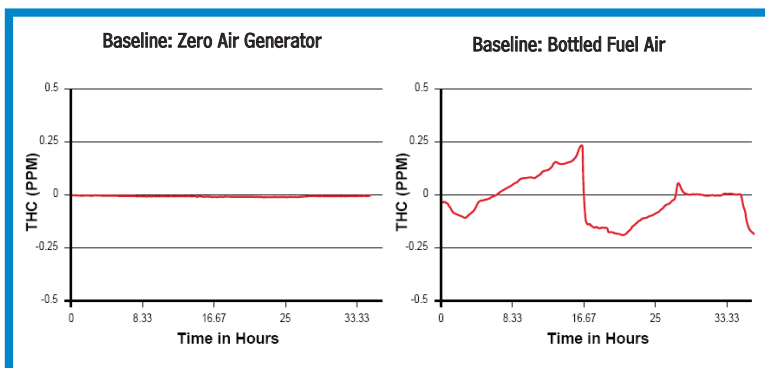
Parker Balston® Zero Air Generators

- Produce UHP zero air from house compressed air (<0.1 ppm THC).
- Remove hydrocarbons to less than 0.1ppm by catalytic oxidation.
- Operate at 40 to 125psi.
- Install easily and take up little bench space.
- Maintenance kits include a final filter and a one year supply of prefilters.
- Eliminate inconvenient and dangerous cylinders from the laboratory.
- Increase the accuracy of analysis and reduce detector cleaning requirements.
- Recommended and used by many GC and column manufacturers.
- Payback period typically less than 1 year.
- Silent operation; minimal operator attention required.
- Models available to service up to 100 FIDs.

Parker Balston® Zero Air Generators are complete systems with state-of-the-art, highly reliable components engineered for easy installation, reliable 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, nor 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 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.



Compare baselines produced by a Parker Balston® Zero Air Generator and bottled fuel air. The baseline produced by the Parker Balston® generator is flat, with no fluctuations or peaks; the chromatogram from the bottled air fuel supply has many peaks, ranging from 0.25 ppm to -0.25 ppm.

HRoMalytic Chromatography Products '08
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Parker Balston® Zero Air Generators

Principal Specifications:

Parker Balston® Models 75-83NA, HPZA-3500, HPZA-7000, HPZA-1800, HPZA-30000

Maximum Zero Air Flow Rate:	75-83NA	1 lpm
	HPZA-3500	3.5 lpm
	HPZA-7000	7 lpm
	HPZA-18000	18 lpm
	HPZA-30000	30 lpm
Outlet Hydrocarbon Concentration (as methane):	75-83NA	< 0.1 ppm
	HPZA-30000	< 0.1 ppm
	Other Models	< 0.05 ppm
Minimum/Maximum Inlet Air Pressure:	40 psig / 125 psig	
Maximum Inlet Hydrocarbon Concentration (as methane):	100 ppm	
Pressure Drop at Maximum Flow Rate:	4 psid	
Maximum Inlet Air Temperature:	78°F (25°C)	
Inlet/Outlet Ports:	1/4" NPT (female)	
Start-up Time to Specified Hydrocarbon Concentration:	45 minutes	
Electrical Requirements:	75-83NA	120 VAC/60 Hz, 0.5 amps
	Other Models	120 VAC/60 Hz, 3.5 amps
Dimensions:	75-83NA*	12"h x 10"w x 3"d (30cm x 25cm x 8cm)
	Other Models	16"h x 11"w x 13"d (42cm x 27cm x 34cm)
Shipping Weight:	75-83NA	7 lbs. (3 kg)
	Other Models	41 lbs. (19 kg)

Model	Number of FIDs**
75-83NA	Up to 3
HPZA-3500	Up to 11
HPZA-7000	Up to 23
HPZA-18000	Up to 60
HPZA-30000	Up to 100

**based on a 300 cc/min fuel air rate

*Parker Balston® Model 75-83NA (Restek cat.# 20684) is a wall-mount model, 10" x 12" x 3".

Zero Air Generator	Capacity	qty.	cat. #
Zero Air Generator Model 75-83NA	1000cc/min.	ea.	20684
Zero Air Generator Model HPZA-3500	3500cc/min.	ea.	20680
Zero Air Generator Model HPZA-7000	7000cc/min.	ea.	20681
Zero Air Generator Model HPZA-18000	18,000cc/min.	ea.	20682
Zero Air Generator Model HPZA-30000	30,000cc/min.	ea.	20683
Maintenance Kits (include a final filter and one-year supply of prefilters)		qty.	cat. #
Maintenance Kit for Model 75-83NA		kit	21646
Maintenance Kit for Models HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000		kit	21647
Replacement Catalyst Towers	Capacity	qty.	cat. #
Replacement Catalyst Tower for Model 75-83NA	1000cc/min.	ea.	22005
Replacement Catalyst Tower for Model HPZA-3500	3500cc/min.	ea.	22004
Replacement Catalyst Tower for Model HPZA-7000	7000cc/min.	ea.	22006
Replacement Catalyst Tower for Model HPZA-18000	18,000cc/min.	ea.	22007
Replacement Catalyst Tower for Model HPZA-30000	30,000cc/min.	ea.	22008

International Power Cord Sets

Just add the proper suffix to the catalog number for the gas generator you are ordering.

Location	qty.	cat.# suffix
United Kingdom (230VAC, 50/50Hz)	ea.	-550
European (230VAC, 50/60Hz)	ea.	-551
IEC Connector Only (230VAC, 50/60Hz)	ea.	-552
Japanese (200VAC, 50/60Hz)	ea.	-556
Japanese for Zero Air (100VAC, 50/60Hz)	ea.	-553

ordering note

For international orders, please add the appropriate power cord suffix from the table.



Lit. Cat.# 580050

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