Zero Air Generators

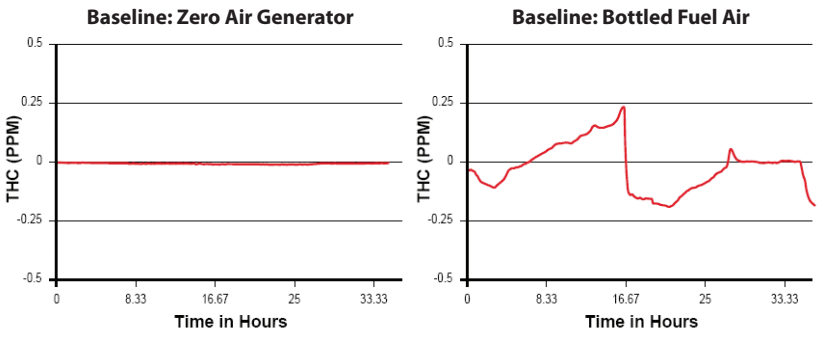
Flow Capacities up to 30 L/min

- Produces UHP zero air from house compressed air (<0.1 ppm THC).
- Removes hydrocarbons to less than 0.1 ppm by catalytic oxidation.
- Operates at 40 to 125 psi.
- Installs easily and takes up little bench space.
- Maintenance kits include a final filter and a one-year supply of prefilters.
- Eliminates 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 one 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.

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Catalog No.	Product Name	Flow Rate	Model Number	Units	Number of FIDs (based on a 450 cc/min fuel air rate)
20684	Parker Zero Air Generator, 75-83NA Model, 1000 cc/min Capacity, Wall Mount or Bench Top	1000 cc/min	75-83NA	ea.	Up to 2
29282	Parker Zero Air Generator, HPZA-3500 Model, 3500 cc/min Capacity	3500 cc/min	HPZA-3500	ea.	Up to 8
29283	Parker Zero Air Generator, HPZA-7000 Model, 7000 cc/min Capacity	7000 cc/min	HPZA-7000	ea.	Up to 16
29284	Parker Zero Air Generator, HPZA-18000 Model, 18,000 cc/min Capacity	18,000 cc/min	HPZA-18000	ea.	Up to 40
29285	Parker Zero Air Generator, HPZA-30000 Model, 30,000 cc/min Capacity	30,000 cc/min	HPZA-30000	ea.	Up to 66

Maintenance Kits (includes a one-year supply of prefilters and final filter)

Catalog No.	Product Name	Model Number	Units
21646	Annual Maintenance Kit, for Parker 75-83NA	75-83NA	kit
21647	Generator Maintenance Kit, for Parker Generators	HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000, 75-80, N2-04, TOC-1250	kit
29286	Generator Maintenance Kit, for Parker Generators	ZAG3.5LNA, ZAG7LNA, ZAG18LNA, and ZAG30LNA	kit

Catalog No.	Product Name	Replacement Catalyst Towers	Model Number	Units
22005	Replacement Catalyst Tower for Parker Zero Air Generator Model 75-83	1000 cc/min	75-83NA	ea.
22004	Replacement Catalyst Tower for Parker Zero Air Generator Models HPZA-3500 and TOC-1250	3500 cc/min	HPZA-3500, TOC-1250	ea.
22006	Replacement Catalyst Tower for Parker Zero Air Generator Model HPZA-7000	7000 cc/min	HPZA-7000	ea.
22007	Replacement Catalyst Tower for Parker Zero Air Generator Model HPZA-18000	18,000 cc/min	HPZA-18000	ea.
22008	Replacement Catalyst Tower for Parker Zero Air Generator Model HPZA-30000	30,000 cc/min	HPZA-30000	ea.

International Power Cord Sets

International power cords are available. Contact Customer Service to order.

	Specifications for Parker Balston Zero Air Generators	
Maximum Zero Air Flow Rate:	75-83NA	1.0 L/min
	HPZA-3500	3.5 L/min
	HPZA-7000	7.0 L/min
	HPZA-18000	18 L/min
	HPZA-30000	30 L/min
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 (276/862 kPa)	
Maximum Inlet Hydrocarbon Concentration (as methane):	100 ppm	
Pressure Drop at Maximum Flow Rate:	4 psi (28 kPa) differential	
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
	HPZA-3500, HPZA-7000	120, 220, 230, 240 VAC/60 Hz, 2.0 amps
	HPZA-18000, HPZA-30000	120, 220, 230, 240 VAC/60 Hz, 4.0 amps
Dimensions:	75-83NA	10" h x 12" w x 3" d (25 cm x 30 cm x 8 cm)
	Other Models	16" h x 11" w x 13" d (42 cm x 27 cm x 34 cm)
Shipping Weight:	75-83NA	7 lb (3 kg)
	Other Models	41 lb (19 kg)

*Parker Model 75-83NA (Restek cat.# 20684) can be used as a wall mount or a bench top, and its dimensions are 10" x 12" x 3".

Lit. Cat.# GNSS1439B-UNV