

ChromGas ZAG

Zero Air Generators for Gas Chromatography



Parker's ChromGas ZAG generators provide a continuous stream of hydrocarbon free air from an external dry compressed air source, offering superior limits of detection over and above other modes of supply. Flow rates range from 3.5 L/min to 30 L/min and can support up to 75 flame detectors.

ChromGas ZAG generators maintain the series' trademark blend of a consistent stackable design and compact size. When combined with ChromGas Hydrogen, the system forms an innovative, modular FID gas station suitable for all known GC combustion detectors such as Flame Ionization Detection (FID), Flame Photometric Detector (FPD) and Nitrogen-Phosphorus Detector (NPD). Its state-of-the-art control system, featuring a spacious user interface panel, elevates both user-friendliness and performance monitoring convenience.

ChromGas ZAG generators have other applications in chemical analysis and life science, serving as LC/MS source gas, combustion gas for total hydrocarbon analyzers, and calibration/dilution gas for gas sensing.



Product Features:

- **Ultra high-purity, organic free, air for GC combustion detectors**
- **Increase resolution and detection limits of analysis**
- **Compact, reliable with minimal operator attention and maintenance**
- **Eliminate inconvenient and potentially dangerous air cylinders**
- **Payback period typically less than 24 months**
- **Models available to supply up to 75 FIDs**
- **Stackable with other ChromGas products**
- **Meets CSA, UL, CE and UKCA**



ENGINEERING YOUR SUCCESS.

Product Selection

Model*	Flow Rate	Organic Impurity	Air Inlet @ 40-125 psi g (2.8-8.6 bar g)	Delivery Pressure		Integral Compressor
	L/min	ppm	L/min	bar g	psi g	
ZAG-3.5L	3.5	<0.05	3.5	2.8-8.6	40-125	NO
ZAG-7L	7	<0.05	7.0	2.8-8.6	40-125	NO
ZAG-18L	18	<0.05	18.0	2.8-8.6	40-125	NO
ZAG-30L	30	<0.1	30	2.8-8.6	40-125	NO

*For 120V version, add NA to end of model number. For 220V version, add WD to end of model number. Example: ZAG-7LNA.

Technical Data

Ambient Temperature Range	All Models	60 - 100°F (16 - 38°C)
Inlet Air Quality	All Models	Clean dry compressed air ISO8573-1:2001 Class 3.2.1
Supply Voltage Range	All "NA" Models	120V 60Hz
	All "WD" Models	220V 50Hz
Port Connections	All Models	1/4" NT (female)

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
ZAG-3.5L	437	17.2	343	13.5	407	16	14.2	31.3
ZAG-7L	437	17.2	343	13.5	407	16	14.2	31.3
ZAG-18L	437	17.2	343	13.5	407	16	14.2	31.3
ZAG-30L	437	17.2	343	13.5	407	16	15.2	33.5

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Model(s)	Kit Contents
12 month kit	MKZAG- 12M	All ZAG Models	Replacement filter elements
36 month kit	MKZAG-3.5LNA-36M	ZAG-3.5LNA	Replacement filter elements, Replacement catalyst module (120V)
	MKZAG-7LNA-36M	ZAG-7LNA	
	MKZAG-18LNA-36M	ZAG-18LNA	
	MKZAG-30LNA-36M	ZAG-30LNA	
	MKZAG-3.5LWD-36M	ZAG-3.5LWD	Replacement filter elements, Replacement catalyst module (220V)
	MKZAG-7LWD-36M	ZAG-7LWD	
	MKZAG-18LWD-36M	ZAG-18LWD	
	MKZAG-30LWD-36M	ZAG-30LWD	

Optional Extras

Description	Part Number	Model(s)	Required for
Installation kit	IK76803		Suitable for all zero air generators
Preventive Maintenance Plan (12 Month)	ZAG-3.5LNA-PM	ZAG-3.5LNA	Service by Certified Technician. Includes 12 month service kit. Consult Parker for details.
	ZAG-7LNA-PM	ZAG-7LNA	
	ZAG-18LNA-PM	ZAG-18LNA	
	ZAG-30LNA-PM	ZAG-30LNA	
Preventive Maintenance Plan (36 Month)	ZAG-3.5LNA-PMPLUS	ZAG-3.5LNA	Service by Certified Technician. Includes 12 & 36 month service kits. Consult Parker for details
	ZAG-7LNA-PMPLUS	ZAG-7LNA	
	ZAG-18LNA-PMPLUS	ZAG-18LNA	
	ZAG-30LNA-PMPLUS	ZAG-30LNA	
Extended Warranty Plans	Consult Parker for Options		

