

## HiQ<sup>®</sup> specialty gas generators. The Zero Air series.





### Description

Pure air is commonly used in the chromatographic world mainly as fuel for flames in detectors such as Flame Ionisation Detectors (FIDs) and Flame Photometric Detectors (FPDs). The pure air can be delivered in classic gas cylinders or be produced on site from oil-free compressed air. Designed with safety and convenience in mind, this system will generate purified and hydrocarbon-free air from an existing in-house oil-free compressed air supply.

The Linde "ZAGC" Zero Air generators reduce HC pollutants to less than 0.1 ppm and remove all kinds of particles. In the lab, they provide several advantages. Eliminating the need to use and store high-purity air in cylinders saves valuable laboratory floor space. There is no need to continually buy replacement high-purity air in cylinders. Using an on-site gas generator also eliminates the need to recalibrate instruments after replacing empty cylinders with full ones. The operation of the generator requires low levels of electrical power. This complete turnkey system is engineered with the highest quality components, is easy to install, and requires only minimal annual maintenance. The "ZAGC" Zero Air generator models utilise a 3-stage process to purify ambient air into analytical grade air. All main components are manufactured with high-grade stainless steel and installed systematically in cabinets for easy access and service.

### Product features

- Compact size requires minimal space
- Wall-mountable
- Built-in security lock on external housing
- Green, yellow and red indicating lights indicate power, warm-up, ready and fault notification of low/high catalyst temperature, low/high inlet pressure, and life expectancy/expiration of catalyst
- A digital thermal switch automatically shuts off the power supply to the catalyst in the event that the inlet compressed air is turned off, preventing catalyst damage due to overheating

<b>Product outlet purity</b>	Hydrocarbons	< 0.1 ppm				
	Carbon monoxide	< 0.1 ppm				
	Particles > 0.5 micron removed	99.99%				
<b>Maximum inlet impurities</b>	Hydrocarbons	100 ppm				
	Carbon monoxide	100 ppm				
<b>Specifications</b>	Maximum outlet flow	1.5; 3.0; 6.0; 15; 30 LPM				
	Maximum outlet pressure	6.5 bar/94 psi g				
	Outlet air temperature	+15 °C/+59 °F (ambient)				
	Outlet port	1/8 " compression fitting				
	Pressure drop at max. flow	1 bar/15 psi g				
	Inlet air pressure range (regulated to 7 bar/100 psi g)	3-10 bar/45-145 psi g				
	Maximum inlet temperature	40 °C/104 °F				
	Inlet port	1/4 " compression fitting				
	Power source	115/230 VAC				
	Dimensions (W x H x D)	47 x 40 x 25 cm/18 x 16 x 10 "				
<b>Generator and shipping weights</b>	<b>Models</b>	<b>ZAGC 1500</b>	<b>ZAGC 3000</b>	<b>ZAGC 6000</b>	<b>ZAGC 15000</b>	<b>ZAGC 30000</b>
	<b>Generator</b>	13 kg/29 lbs	13 kg/29 lbs	15 kg/33 lbs	22 kg/48 lbs	22 kg/48 lbs
	<b>Shipping</b>	20 kg/44 lbs	20 kg/44 lbs	25 kg/55 lbs	30 kg/66 lbs	30 kg/66 lbs
	<b>Certification</b>					
	<b>Compliant</b>					
<b>Warranty</b>	One (1) year on parts and labor					
<b>Ordering details</b>	<b>Model</b>	<b>HiQ® code</b>	<b>Description</b>			
	ZAGC 1500	5760	Zero Air generator 1,500 ml/min			
	ZAGC 3000	5761	Zero Air generator 3,000 ml/min			
	ZAGC 6000	5762	Zero Air generator 6,000 ml/min			
	ZAGC 15000	5763	Zero Air generator 15,000 ml/min			
	ZAGC 30000	5764	Zero Air generator 30,000 ml/min			
<b>Consumables/spare parts</b>	<b>Model</b>	<b>HiQ® code</b>	<b>Description</b>			
	ZA-FILT	5770	Replacement external air filter, housing and element			
	ZA-XCART	5771	Replacement cartridge for external air filter			
	ZA-ICART	5772	Replacement cartridge for internal air filter			



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