

ZA series: Zero Air Generators

Superior performance, long life



Features:

- **THC < 0.05 ppm (as methane)**
- **Models from 2 - 1000 NI/min**
- **Safe operation at low operation pressure**
- **Low cost of ownership**
- **Virtually maintenance free**
- **Complete self-monitoring with intelligent reporting options**
- **Continuous and silent Zero-Air generation with compressed air**
- **No need for gas bottles!**

Applications

- **GC, GC-FID, GC-ECD, FPD**
- **Total Hydrocarbon Analysis (THA)**

Zero air generators from cmc Instruments are designed for a stress free life. The ZA series are noiseless, easy to install and intelligent. Constant, high purity, zero air for analysis you can rely on.

A catalytic chamber removes hydrocarbons after the air has first been filtered to remove any water, oil vapours and aerosol. The outlet coalescing filter ensures no water produced in the generator is transported to the chromatograph. The clear bowl filters allow easy inspection and maintenance. This guarantees reliable, ultra pure zero air production.

If a compressor is integral to the generator then there is risk of heat and/or vibration and/or condensation affecting both the quality of the gas and the lifetime of the system. cmc Instruments a separate compressor or in-house compressed air supply.

Low cost of ownership and minimal maintenance is the result. To protect the system from oil, water or dust it is recommended to change the filters annually. Extended warranty agreements can be made for minimal cost.

The ZA series is available in 7 different capacities from 2NI/min to 1000NI/min. Up to 160 FID's can be run at outlet pressures between 2 and 10 bar.

Customise your cmc Instruments generator with the features you want. Pressure, flow and temperature control are all options together with automatic switchovers in case of supply failures. Different fittings and outlets are available to make the zero air generator instantly compatible with your supply and destination equipment.

Designed and manufactured in Germany these products represent quality at an affordable price. Perhaps more importantly, the excellent reliability and almost zero downtime that can be expected over many years brings with it peace of mind.

Specification

Electrical requirements:

230V, 50Hz

Max inlet hydrocarbon:

100 ppm (as methane)

Outlet hydrocarbon:

< 0.05 ppm (as methane)

Display: LED (ZA 8000, ZA 20-K,

ZA 35-K, ZA 50-K, ZA-100K)

Start up time: 10 min

Energy consumption (Wh)

ZA 2000 : <30

ZA 4000 : <50

ZA 8000 : <80

ZA 20-K : <100

ZA 35-K : <130

ZA 50-K : <150

Weights and Dimensions

Dimensions (w x h x d) mm:

ZA 2000 : 270 x 340 x 460

ZA 4000 : 270 x 340 x 460

ZA 8000 : 270 x 340 x 460

ZA 20-K : 330 x 460 x 560

ZA 35-K : 330 x 460 x 560

ZA 50-K : 400 x 400 x 960

Weights net:

ZA 2000 : 13 kg

ZA 4000 : 15 kg

ZA 8000 : 19 kg

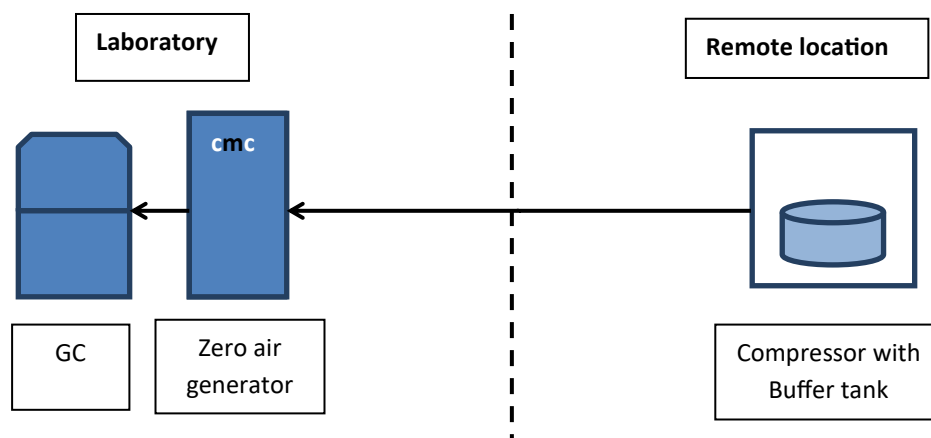
ZA 20-K : 25 kg

ZA 35-K : 28 kg

ZA 50-K : 32 kg

Ordering Information

Part no.	Description	
ZA 2000	Zero air generator, < 0.05 ppm hydrocarbon	Max air flow, 2 NI/min
ZA 4000		Max air flow, 4 NI/min
ZA 8000		Max air flow, 8 NI/min
ZA 20-K		Max air flow, 20 NI/min
ZA 35-K		Max air flow, 35 NI/min
ZA 50-K		Max air flow, 50 NI/min
ZA 100-K		Max air flow, 1000 NI/min
Options		
	Flow control and flow meter	
	Pressure control and manometer	
	Temperature control OK/standby	
	Automatic switchover for failure of gas supply and voltage	
	Automatic switchover for failure of gas supply, voltage and flow	
Spares		
ZA-SET	Set of filters	



Where no in-house compressed air supply is available cmc Instruments recommend a remote compressor and buffer tank. A dryer ensures that the zero air generator always receives high quality, dry, compressed air.