

ZERO AIR



ZERO AIR GENERATORS

Ultra clean, dry and hydrocarbon-free air for
Gas Chromatography

 **DÜRR
TECHNIK**
Inspiring With Green Air

Are you experiencing difficulties with unstable baselines or external gas supplies?

Generate the high-purity zero air you need directly in your laboratory

Chromalytic Zero Air Generators deliver clean, dry and hydrocarbon-free air on demand – ensuring maximum safety for analytical applications.

The highest purity of air is essential to ensure low baseline noise and an optimal signal-to-noise ratio for sensitive and reproducible analysis with your instruments.



Advanced technology for precise analysis

Chromalytic Zero Air Generators remove hydrocarbons efficiently from compressed air and provide a continuous supply of ultra-clean zero air. Premium components, compact design and optimized energy efficiency ensure reliable long-term operation with low total cost of ownership.

ZA Series at a glance

ZA2A with integrated compressor – compact all-in-one solution for maximum independence

ZA4 without compressor – a cost-effective model for laboratories with an existing suitable oil-free compressed air supply

Your advantages

- Highly efficient precious metal catalyst for effective carbon removal
- Ultra-low hydrocarbon content less than 0.05 ppm as methane
- Stable baselines and reproducible results
- Integrated air filtration down to 0.01 µm for particle removal to protect the electronic pressure control components of your GC
- Economical and safe source of zero air – no manual replacement of bottles and no ingress of contaminants
- Avoids fluctuations in the quality of the air cylinders from batch to batch
- Compact, stackable benchtop generator with smallest footprint on the market
- Intelligent management of the catalytic converter heating for maximum catalytic converter service life and lower operating costs



ZA4

ZA2A

Technical data

Type	Max. volume flow (ml/min)	Hydrocarbon content (ppm)	Noise level at PN dB(A)	Power (kW)	Nominal pressure (bar)	Voltage (V)	Frequency (Hz)	Protection class (IP)	Weight (kg)	Dimensions L x W x H (mm)
ZA2A	2,000	<0.05	54	0.77	6	115/230	50/60	IP 54	25.0	450 x 550 x 270
ZA4	4,000	<0.05	49	0.50	6	115/230	50/60	IP 54	19.0	450 x 550 x 270

Optimally suited for

the provision of hydrocarbon-free air for detectors used in gas chromatography systems, including

- GC-FID: Gas chromatography with flame ionization detector
- GC-NPD: Gas chromatography with nitrogen-phosphorus detector
- GC-FPD: Gas chromatography with flame photometric detector
- GC-AES: Gas chromatography with atomic emission spectrometry



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