

AIRGEN TOC



*“The expression of
purity, the real
zero grade air”*

UHP AIR GENERATOR



MODEL

AirGen TOC

- ✓ **UHP Zero Air with CO₂ < 1 ppm and THC < 0,1 ppm**
The optimal solution for TOC Analyzers
- ✓ **High-efficiency Palladium-Platinum system** for removal of HCTs < 0,1 ppm for a stable and interference-free baseline
- ✓ **High purity air guaranteed by the exclusive CLAIND PSA system** for the combined removal of H₂ O and CO₂
- ✓ **Parallel connection up to 4 stacked generators with tower configuration**



FEATURES

- **Modular configuration**
- **High-efficiency final filter for removal of residual CO₂**
- Facility for integration with a Brezza series dedicated air compressor (AirComp)
- **CPU with Touch Screen Display connectable with CAN-BUS** to the generators (up to 32 units), which allows the monitoring of the operational status. The CPU include also an Ethernet output for the connection to PCs



APPLICATIONS

TOC



TECHNICAL SPECIFICATIONS

FLOW RATE	1500 NmL/min \pm 10% a 2000 m slm
TECHNOLOGIES EMPLOY	PSA + catalytic reactor Pt/Pd
OUTPUT PRESSURE	0 - 5 bar / 0 - 72 psi
PURITY	HCT < 0,1 ppm CO ₂ residual < 1 ppm
MOISTURE	< -70 °C dew-point ATP \pm 2°C ATP
AIR INPUT CHARACTERISTICS	Particulate \leq 0,01 mm Oil vapors \leq 0,01 mg/m ³ Moisture \leq 3° C dew point ATP Min pressure: bar/115 psi Air flow rate: 8 NI/min
ELECTRICAL SUPPLY	115 Vac \pm 10% 60 Hz 250 W 230 Vac \pm 10% 50 Hz 250 W
INDEX OF PROTECTION	IP20
NOISE	< 50 dBA for the 98% of operation time < 60 dBA for 2 sec. each cycle
OPERATING TEMPERATURE	5°C fino 35°C (41°F fino 95°F)
ENVIRONMENTAL HUMIDITY	Max 90% without condensation
MAX ALTITUDE	2000 m slm
DIMENSIONS	Height: 40 cm + 7 cm/15.8" + 2.8" Width: 38 cm/14.9" Depth: 53 cm/20.8"
WEIGHT	28 kg/62 lbs
PNEUMATIC CONNECTIONS	Compressed air inlet: G 1/8" female Purified air output: G 1/8" female
WARRANTY	2 years

TECHNOLOGY

Palladium-Platinum HC system

CERTIFICATIONS



PSA with CMS and international patent **FAST PURITY®**





CLAIND

GAS GENERATORS AND PURIFIERS

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