



CLAIND

GAS GENERATORS AND PURIFIERS

# ZERO AIR



*“Imagine clean air  
is now easy”*

ZERO AIR PURIFIER



## MODELS

ZeroAir 5  
ZeroAir 20

- ✓ The **excellent solution for FID and FPD** with guaranteed an **absolutely stable disturbance-free baseline**
- ✓ It is the expression of **simplicity** and requires only to be switched on in order to supply zero air HCT free
- ✓ It includes a special **reactor Pt / Pd** studied by CLAIN D and successfully used for more than 2000 installations
- ✓ **Economic**, connected at 4 FID. The payback is less than 1 year



## FEATURES

- Dual Bench-top/Wall-mounting version
- High efficiency **Palladium-Platinum HC system for removal of HCTs < 0,1 ppm at catalizing low temperature for an absolutely stable and disturbance-free baseline**
- ZeroAir series is able to serve from 14 up to 55 FID
- Easy integration with a Brezza series dedicated air compressor (AirComp)
- Catalyzer Temperature monitor included
- Possibility of parallel connections

## APPLICATIONS

Gas Chromatography  
(FID, THC, NOX, BTX E SOX analyzers)



## TECHNICAL SPECIFICATIONS

FLOW RATE	ZeroAir 5: 5 NI/min $\pm$ 10% a 2000 m slm ZeroAir 20: 20 NI/min $\pm$ 10% a 2000 m slm
TECHNOLOGIES EMPLOY	Platinum-Palladium catalytic reactor
EFFICIENCY	TOTAL HYDROCARBONS RESIDUAL WITH CATALYZER < 0,1PPM HC REMOVAL EFFICIENCY: - METHANE > 99% - AROMATICS (BTX) AND YDROCARBONS STARTING FROM C <sub>3</sub> H <sub>N</sub> > 99,5% - CARBON MONOXIDE (CO), HYDROGEN (H <sub>2</sub> ) ETHYLENE AND PROPYLENE > 99,9%
OUTPUT PRESSURE	0 - 10 bar / 0 - 145 psi
AIR INPUT CHARACTERISTICS	Particulate $\leq$ 0,01 mm Oil vapors $\leq$ 0,01 mg/m <sup>3</sup> Moisture $\leq$ -15° C dew point ATP
ELECTRICAL SUPPLY	ZeroAir 5      115 Vac $\pm$ 10% 60 Hz 180W 230 Vac $\pm$ 10% 50 Hz 180W ZeroAir 20     115 Vac $\pm$ 10% 60 Hz 450 W 230 Vac $\pm$ 10% 50 Hz 450 W
INDEX OF PROTECTION	IP20
OPERATING TEMPERATURE	5°C - 35°C (41°F - 95°F)
ENVIRONMENTAL HUMIDITY	max 80% without condensation
MAX ALTITUDE	2000 m sml
DIMENSIONS	Height: 35 cm/13.8" Width: 20 cm/7.9" Depth: 16 cm/6.3"
WEIGHT	ZeroAir 5      7 kg/15 lbs ZeroAir 20     9 kg/20 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





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