

ZERO AIR GENERATORS ZA SERIES



ZA GENERATOR ZA1500.C & ZA 3000.C with integrated compressor

The Zero Air Generator series are systems which replace the use of inconvenient high pressure gas cylinders as a source of hydrocarbon-free air. The elimination of gas cylinders reduces annual operating costs of managing them and reduces the risk of possible injury to workers.

Zero Air Generator may be used as a source of fuel air for Flame Ionization Detectors (FID's) or as a zero reference for any instrument which measures hydrocarbon concentration.

The zero air generator will remove HC pollutants to less than 0.05 ppm.

This system is engineered to be easy to install and requires only minimal annual maintenance.

This ZeroAir series is available with a smart low noise long life built-in piston compressor, 100% oil free.



- 1 Status LEDs
- 2 START/STOP button
- 3 Outlet pressure gauge
- 4 Air outlet
- 5 Water drain purge
- 6 RS-485
- 7 RS-232
- 8 Power socket, switch and fuse
- 9 Removable panel for service operation

Main Applications

- THA
- GC-FID
- NPD
- FPD
- PFPD

Main Features

- **Available Flow-rates:**
1500, 3000 cc/min
- **Outlet pressure:**
6 bars
- **Total Hydrocarbon content:**
< 0.05 ppm
- **Total CO:**
< 0.1 ppm
- **Integrated compressor:**
Long life oil less compressor
- **Communication port:**
RS-485
RS 232
- **Dimensions:**
27 x 44 x 41(H) cm
- **Weight:**
<40 kg
- **Certification:**
CE, ISO9001

Technical specifications

Models: ZA	1500.C	3000.C
Air outlet		
Flow rate (max)	1.5 l/min	3.0 l/min
Outlet pressure (min / max)	2 / 6 bars (28 /87 psi)	
Total hydrocarbon content	< 0.05ppm	
Total CO	< 0.1 ppm	
Dewpoint	< -40°C	
Communication		
RS485	Optional	
RS232	Standard	
General data		
Internal compressor power	0.19 kW	
Supply voltage	220-240Vac 50/60Hz	
Connection type	IEC320-C13	
Installation power (max)	750W (1000VA)	
Fuse rating (5x20mm)	6A	
Noise level	< 58 dB	
Dimensions	27(W) x 44(D) x 41(H) cm	
Net weight	< 40 kg	
Connections		
Outlet port	1/8" female BSPP	
Water purge	1/8" female BSPP	
Operating conditions		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% at 25°C (77°F)	
IP rating	IP20	