

# ZA TOTAL C

## Zero Air generator

The AirGen series **ZA TOTAL C** is able to remove the total hydrocarbons to less than 0.05 ppm and other pollutant like Humidity, CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>. ZA-TOTAL-C is available with a smart low noise built-in pistons compressor, 100% oil-free.

The reduction of hydrocarbons, including methane, and carbon monoxide decrease the background noise level and gives much better baseline stability, considerably increasing detector sensitivity and ensuring precise analytical results. The hydrocarbons and CO are removed with a catalytic oven filled with palladium, the Humidity and CO<sub>2</sub> is removed with a dual molecular sieve PSA system, NO is removed with Purafil and other components are removed with an active charcoal filter.

### Main Applications

- GC-FID
- GC-NPD
- GC-FPD
- GC-PFPD
- THA
- Gas sensing

### Main Advantages

- ✓ Easy use and quick installation
- ✓ Flow rate up to 6 L/min
- ✓ Pressure up to 7 bar
- ✓ RS 485 and RS 232 as standard
- ✓ Purity:
  - < 0.05 ppm THC
  - < 0.1 ppm CO NO<sub>x</sub> SO<sub>2</sub>
  - < 1 ppm CO<sub>2</sub>
- ✓ No maintenance
- ✓ Reduced foot print





## Specifications

| Models: ZA TOTAL C             | 1.5                | 3.0               | 6.0       |
|--------------------------------|--------------------|-------------------|-----------|
| Zero Air outlet                |                    |                   |           |
| Flow rate (max)                | 1.5 l/min          | 3.0 l/min         | 6.0 l/min |
| Outlet pressure (max)          | 6.5 bars (94 psi)  | 6.0 bars (87 psi) |           |
| Total hydrocarbon content      | < 0.05ppm          |                   |           |
| Total CO Nox SO <sub>2</sub>   | < 0.1 ppm          |                   |           |
| Total CO <sub>2</sub>          | < 1 ppm            |                   |           |
| Dewpoint                       | < -50°C            |                   |           |
| Communication                  |                    |                   |           |
| RS485                          | Standard           |                   |           |
| RS232                          | Standard           |                   |           |
| General data                   |                    |                   |           |
| Supply voltage                 | 100-240Vac 50/60Hz |                   |           |
| Connection type                | IEC320-C13         |                   |           |
| Installation power (max)       | 1000W              |                   |           |
| Fuse rating (5x20mm)           | 6.3A               |                   |           |
| Dimensions (W x D x H)         | 43 x 58 x 63 cm    |                   |           |
| Net weight                     | < 60 kg            |                   |           |
| Connections                    |                    |                   |           |
| Outlet port                    | 1/8" female BSPP   |                   |           |
| Operating/storage conditions   |                    |                   |           |
| Operating temperature          | 5-35°C (41-95°F)   |                   |           |
| Storage temperature            | 1-50°C (34-122°F)  |                   |           |
| Humidity (max, non condensing) | 80% at 25°C (77°F) |                   |           |
| Noise                          | <58 dB(A)          |                   |           |
| IP rating                      | IP20               |                   |           |

### Ordering codes

#### Gas Generators

6920.25.215

6920.25.230

6920.25.360

#### Consumable

6930.00.150

ZA TOTAL 1.5 C

ZA TOTAL 3.0 C

ZA TOTAL 6.0 C

KIT filters (inlet and outlet) for ZA FID / ZA TOTAL



**LNI Swissgas**

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