

# ZA FID Air

## Zero Air generator

The AirGen series ZA FID Air is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. Very compact, the ZA FID Air can purify up to 30 L/min of compressed Air and can bear a pressure up to 7 bar (101.5 psi). The filtration of the hydrocarbons is performed by using a catalytic oven filled with palladium. 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. High efficiency coalescing pre-filtration and post filtration of particulate size greater than 0.01 microns are used to prevent any kind of particles from entering the analytical device. The ZA FID Air has a very simple and efficient interface. It can also be managed by the HydroGen series HG PRO and HG BASIC and is ideal to supply Hydrocarbon free Air to FID detectors.

### Main Applications

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

### Main advantages

- ✓ Easy use and quick installation
- ✓ High flow rate up to 30 L/min
- ✓ Pressure up to 7 bar (101.5 psi)
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ Stackable with HG BASIC and HG PRO





## Specifications

| Models: ZA FID Air             | 1.5                           | 3.0       | 6.0     | 15,0          | 30,0       |
|--------------------------------|-------------------------------|-----------|---------|---------------|------------|
| Zero Air outlet                |                               |           |         |               |            |
| Flow rate (Max)                | 1.5 l/min                     | 3.0 l/min | 6.0 l/m | 15.0 l/min    | 30.0 l/min |
| Outlet pressure (Max)          | 7 bar (101.5 psi)             |           |         |               |            |
| Total hydrocarbon content      | < 0.05ppm                     |           |         |               |            |
| Air inlet                      |                               |           |         |               |            |
| Air Inlet requirement          | ISO 8573-1:2010 Class [2:4:1] |           |         |               |            |
| Max inlet hydrocarbon content  | 100ppm                        |           |         |               |            |
| Min supply pressure            | 3 bar (43psi)                 |           |         |               |            |
| Max supply pressure            | 10 bar (145 psi)              |           |         |               |            |
| Temperature (min; Max)         | 1°C (34°F); 35°C (95°F)       |           |         |               |            |
| Communication                  |                               |           |         |               |            |
| RS485                          | Standard                      |           |         |               |            |
| General data                   |                               |           |         |               |            |
| Supply voltage                 | 100-240Vac (±10%) 50/60Hz     |           |         |               |            |
| Connection type                | IEC320-C14                    |           |         |               |            |
| Nominal power (Max)            | 70 W (200 W)                  |           |         | 140 W (240 W) |            |
| Fuse rating (5x20mm)           | 4A (250VAC – T)               |           |         |               |            |
| Dimensions (W x D x H)         | 27 x 47 x 14 cm               |           |         |               |            |
| Net weight                     | < 8 kg                        |           |         | < 10 kg       | < 12 kg    |
| Connections                    |                               |           |         |               |            |
| Outlet port                    | 1/8" female BSPP              |           |         |               |            |
| Inlet port                     | 1/8" female BSPP              |           |         |               |            |
| Water purge                    | Threaded ISO M5 female        |           |         |               |            |
| Operating conditions           |                               |           |         |               |            |
| Temperature                    | 5-35°C (41-95°F)              |           |         |               |            |
| Humidity (max, non condensing) | 80.00% [5-35°C (41-95°F)]     |           |         |               |            |
| Noise                          | < 35dB(A)                     |           |         |               |            |
| IP rating                      | IP20                          |           |         |               |            |



### Ordering codes

#### Gas Generators

6920.25.015

6920.25.030

6920.25.060

6920.25.150

6920.25.300

#### Options

6930.00.024

6930.00.041

#### Consumable

6930.00.150

ZA FID AIR 1.5

ZA FID AIR 3.0

ZA FID AIR 6.0

ZA FID AIR 15.0

ZA FID AIR 30.0

Installation kit for ZA FID

Remote contact

Filter cartridges for KZA FID / ZA-FID / ZA TOTAL



**LNI Swissgas**

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