

## ZA RACK FID Air

### Zero Air generator RACK version

The AirGen series **RACK ZA FID** is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. Very compact, the ZA RACK FID Air can purify up to 50 L/min of compressed Air and can bear a pressure up to 6.5 bar (94 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 RACK FID** has a very simple and efficient interface. It can also be managed by the HydroGen series 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
- ✓ Quick installation
- ✓ High flow rate up to 50 L/min
- ✓ Pressure up to 6.5 bar
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print (19 inch rack 2U or 4U)

#### ZA RACK FID 2U: 1.5 – 3.0 – 6.0



#### ZA RACK FID 4U: 15.0 – 30.0



#### ZA RACK FID 4U 50.0





## Specifications

Models: ZA RACK FID	1,5	3	6	15	30,0	50,0
<b>Zero Air outlet</b>						
Flow rate (Max)	1.5 l/min	3.0 l/min	6.0 l/m	15.0 l/min	30.0 l/min	50.0 l/min
Outlet pressure (Max)	Inlet pressure – 0.5 bar (8 psi) or 6.5 bar (94 psi)					
Total hydrocarbon content	< 0.05ppm					
<b>Air inlet</b>						
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)					
<b>Communication</b>						
RS485	Standard					
<b>General data</b>						
Supply voltage	100-240Vac (±10%) 50/60 Hz					
Connection type	IEC320-C14					
Nominal power (Max)	70 W (200 W)			140 W (240 W)		
Fuse rating (5x20mm)	4A (250 VAC – T)					
Dimensions	Standard 2U rack (48 cm deep)			Standard 4U rack (40cm deep / 65cm deep for 50.0)		
Net weight	13 kg			18 kg		20kg
<b>Connections</b>						
Outlet port	1/8" female BSPP					
Inlet port	1/8" female BSPP					
Water purge	Threaded ISO M5 female					
<b>Operating conditions</b>						
Temperature	5-35°C (41-95°F)					
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]					
Noise	< 35dB(A)					
IP rating	IP20					



### Ordering codes

#### Gas Generators

6920.27.015	ZA RACK FID 2U 1.5
6920.27.030	ZA RACK FID 2U 3.0
6920.27.060	ZA RACK FID 2U 6.0
6920.27.150	ZA RACK FID 4U 15
6920.27.300	ZA RACK FID 4U 30
6920.27.500	ZA RACK FID 4U 50

#### Consumable

6930.00.017	Filters elements for ZA RACK series / HGA 2U series / HGA ST series
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