

GC Series Zero Air Generator

Description

The GC zero air generator produce dry and hydrocarbon-free air, using air from oil-free compressors, avoiding the need to use cumbersome cylinders.

The reduction of hydrocarbons, including methane, and carbon monoxide decrease the background noise level and gives the baseline much better stability, considerably increasing detector sensitivity and ensuring precise analytical results.

The GC only requires connection to a suitable oil free compressor.

Functioning principle:

The GC use 3 steps to transform ambient air into analytical grade air:

- the external oil-free compressor delivers air through a high efficiency filter that traps any particles that may damage the system. The filter has an automatic purge system, and traps oil, water and any other particles larger than 5 microns in size.
- The air leaving the filter enters a high temperature platinum catalyser, which through oxidation eliminates hydrocarbon molecules down to < 0.1 ppm.
- A high efficiency filter is used to prevent any kind of particles from entering the instrument.



- ☒ **Better detector performance**
- ☒ **Easy installation**
- ☒ **Lab safety**
- ☒ **Save money**
- ☒ **Improved lab efficiency**

Applications



The ergonomic, compact and silent design makes the GC series generators the ideal solution for the following analytical applications:

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

Specifications

HC & CO out :	< 0.1 ppm
Max temperature in :	40°C
Working temperature :	Amb. + 15°C
Pressure in :	4.5 to 10 bar
(factory set at 7 bar)	
Pressure drop :	< 1 bar
Stability :	45 min
Connection in :	1/4
Connection out :	1/8 (NPT)
Power requirement :	230V/50-60Hz or 115V/60Hz or 100V/60Hz
Dimensions (HxWxD)	41 x 55 x 23 cm

	GC 1500	GC 3000	GC 6000	GC 15000	GC 30000
Flow (NI/min)	1.5	3	6	15	30
Weight (Kg)	5	9	12	22	22

Options – Accessories – Spare parts

Models:

6900 18 518	GC zero air generator 1.5 NI/min – 230V/50-60Hz
6900 18 519	GC zero air generator 1.5 NI/min – 115V/60Hz
6900 18 520	GC zero air generator 1.5 NI/min – 100V/60Hz
6900 18 521	GC zero air generator 3 NI/min – 230V/50-60Hz
6900 18 522	GC zero air generator 3 NI/min – 115V/60Hz
6900 18 523	GC zero air generator 3 NI/min – 100V/60Hz
6900 18 524	GC zero air generator 6 NI/min – 230V/50-60Hz
6900 18 525	GC zero air generator 6 NI/min – 115V/60Hz
6900 18 526	GC zero air generator 6 NI/min – 100V/60Hz
6900 18 535	GC zero air generator 15 NI/min – 230V/50-60Hz
6900 18 536	GC zero air generator 15 NI/min – 115V/60Hz
6900 18 537	GC zero air generator 15 NI/min – 100V/60Hz
6900 18 538	GC zero air generator 30 NI/min – 230V/50-60Hz
6900 18 539	GC zero air generator 30 NI/min – 115V/60Hz
6900 18 540	GC zero air generator 30 NI/min – 100V/60Hz

Consumables:

6700 18 600	Filter housing complete with filter cartridge (external)
6700 18 605.1	Replacement cartridge for inlet filter
6700 18 610	Filter for zero air generator (internal)



Schmidlin
Swiss Made Innovation

46 chemin de l'étang
1219 Geneva - Switzerland

Phone +41 22 979 37 24
Fax +41 22 979 37 20

info@lmi-schmidlin.com
www.lmi-schmidlin.com

