

Zero Air Station Air Station

Description

The LNI SCHMIDLIN SA Zero Air Station produces laboratory grade purified air in large quantities for the most accurate and convenient FID (Flame Ionization Detector) and other detectors like FPD. Designed with safety and convenience in mind, this system generates hydrocarbon free air eliminating the need for inconvenient cumbersome high-pressure gas cylinders.

The Zero Air Station removes HC pollutants to less than 0.1 ppm.
The flows are 6 NL/min and 30 NL/min.

Zero Air Station DO NOT requires external compressed air supply.

Functioning principle:

The internal pump compresses the ambient air. Once compressed, the air is cooled and dried by an automatic coalescent filter. Air is passed into a dual column pressure and dried by an automatic coalescent filter.

Air is next channeled into a stainless steel catalyst chamber where any background hydrocarbons or carbon monoxide are removed. This chamber is filled with a highly efficient platinum-palladium catalyst, heated to very high temperature to insure hydrocarbon removal to less than 0.1 ppm. The compressed zero air is stored in an internal tank. A final high-grade filter removes 99.99% of particulates greater than 0.5 microns in size. Then the air is regulated in pressure and ready to use. The compressor stops once the tank has reached its upper pressure level and starts again, once the tank has reached its lower pressure level.



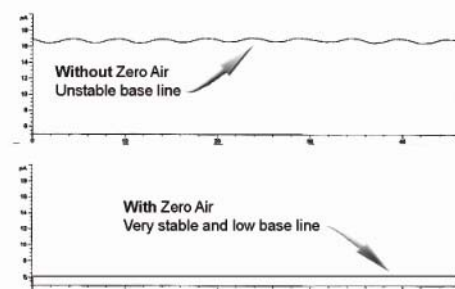
- Smart compressor management
- HC free
- Low maintenance

Applications



The Zero Air Station is mainly used to aliment the Flame of GC with hydrocarbon free Air. By using the Zero Air Station generator, the base line of the GC will be very low and stable, giving the best possible accurate measurement.

The Zero Air Station can also be used to perform the Zero of Total Hydrocarbon Analyzers.



Application of Zero Air:

- Flame Gas for GC-FID / GC-FPD / THC
- Zero Air for THC

Specifications

Flowrate :	6NL/min or 30NL/min	
Delivery pressure :	Up to 6 barg (90Psig)	
Air purity :	< 0.1 ppm Total Hydrocarbons	
Particle filtration level :	< 0.1 µm	
Sound level :	< 65 dbA	
Fittings :	Outlet Air 1/4" swagelock	
User interface :	Pressure setting, system status, user parameter / Touch screen / LCD graphic display	
Dimensions [cm] :	36x64x67	(WxDxH)
Shipping Dim [cm] :	45x80x80	(WxDxH)
Power requirements :	230V/50Hz - 230V/60Hz - 115V/60H	

Air flow rate [NI/min] max	6	30
Net weight [Kg]	45	60
Shipping weight [Kg]	55	70
Power consumption [Watt]	400	550

Options – Accessories – Spare parts

Models:

6911 02 040	Zero air station 6NI/min. Floor casing. 230V/50-60Hz
6911 02 042	Zero air station 6NI/min. Floor casing. 115V/60Hz
6911 02 080	Zero air station 30NI/min. Floor casing. 230V/50-60Hz
6911 02 082	Zero air station 30NI/min. Floor casing. 115V/60Hz

Consumables:

6711 02 224	Air : set of filters (coalescent V5 + dust)
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