

AEROSTATION

Description

The **AEROSTATION ZERO AIR Generator** product line is designed to fit almost any type of application which needs independent supply of high purity AIR close to the consumer in an elegant 19" casing with full colour display and touchpad.

Compressed Air, issued from **plant network or a built-in compressor**, is first filtered from particulates down to $5\mu\text{m}$ and partially dried; then passes throughout a hot catalytic chamber to remove CO, CH₄ and HC. Based on the field proven Pressure Swing Adsorption (PSA) technology, AIR passes through a set of filters filled up with molecular sieve and activated charcoal, to be dried and cleaned from the last traces of HC.

After the purification process, Air is filtered of remaining particulates down to $0.1\mu\text{m}$ and pressure is regulated to the set value, between 0.5 and 7 bar.(7 to 100 psig).

The Aerostation is offered in **five flow versions, three type of housings and two levels of purity**. Each instrument is equipped with high performance communication interfaces USB and Ethernet(Opt) to create a very flexible gas network with local or central control. condensate water, steam production, etc....

High PURITY Zero Air Generators



BENEFITS

- Internal leak test with automatic shutdown
- Reduces operation costs
- Improves resolution and detection limit
- Provides Zero air 24/7 at constant purity of Zero Air
- Low Noise and long life compressor
- Easy to move around stations and laboratories
- Five flow versions (3, 5, 10, 15, and 20 LPM)
- Three housing (rack, bench and floor units)
- High and Ultra high Purity systems
- With and without on-board compressor
- Easy and safe to operate
- No handling, No storage and no cylinders rental fees

Combustion Gas | Zero Gas | Carrier Gas

Due to the software being focused on safety, automatic regulation and intuitive and reliable communications, the **AEROSTATION** are easy to install, reliable, safe and pleasant to operate. Its high and ultra high purity versions allows cost effective integration in a large range of systems.

Impurities	AEROSTATION 40	AEROSTATION 50
H2O	<100ppm - 60C DP	<100ppm - 60C DP
O3, NO, NO2, NH3, SO2, H2S	Not Removed	<1ppb
HC	<0.05ppm	<30ppb
CO & CH4	<0.05ppm	<30ppb
Particulates	<0.1µm	<0.1µm



Technical Specifications

VERSIONS

Dimensions	- Rack unit 483x132x520mm (wxhxd)
Weight & Material	- Bench unit 230x275x360mm (wxhxd) - Floor unit 230x450x450mm (wxhxd) 20 to 30 kg approx. depending on the versions
Output Pressure	User adjustable through software from 1 to 7 bar.
Output flows	1.5 / 3 / 5 / 10 / 15 / 20 / 30 LPM
Outlet fittings	Stainless Steels compressor fittings 1/8"

ELECTRICAL UTILITIES

Power supply	90 - 240 VAC 47 / 63 Hz
Consumption	Max 500W

INTERFACE

Manual Control	Through a 4.3" TFT-LCD colour display with touchscreen, located on the front panel. Display of major parameters, status and alarms conditions. Intuitive navigation to functions by menus and submenus.
Remote Control	USB, RS485 (Modbus) or Display Through optional Ethernet 10/100 network or WLAN Logbook available for download