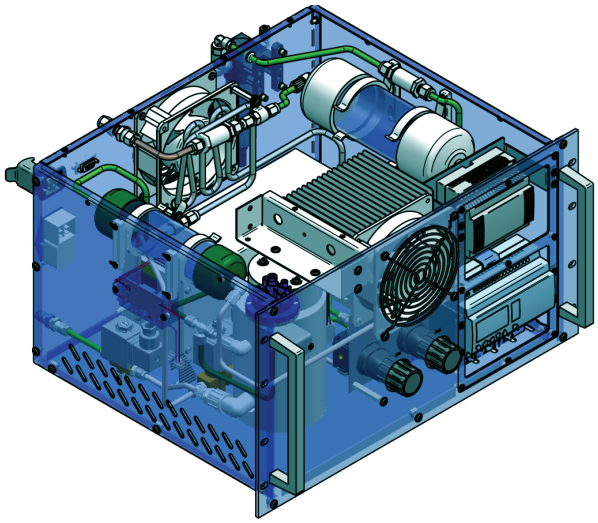
ECO PHYSICS **PAG 003**



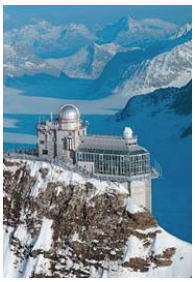
Application examples

Zero point verification and calibration of trace gas analyzers

Dilution gas for gas phase titration (GPT)

Fuel gas for gas chromatographs, flame ion analyzers (FID) and flame photometric detectors (FPD)

The Pure Air Generator PAG 003 is your source for efficient and reliable zero air. It eliminates the need for ultrahigh purity zero air cylinders. In particular it is designed for CLDs measuring sub ppb levels. Other trace gas analyzers benefit as well.



Ambient air monitoring.

Appealing concept.

The PAG 003 pure air generator is the reference source of zero air. The increasing sensitivity of air pollution analyzers as they are required by laws and regulations demands pure air in sufficient quantity and at constant pressure. For zero point verification and calibration of gas analyzers as well as the dilution of calibration gases and for GPT a source of very pure compressed air is needed. Additionally it eliminates the need for ultrahigh purity (UHP) zero air cylinders which are required for operating many on-line process gas analyzers like flame ionization analyzers and gas chromatographs.

The pure air generator is capable of delivering pure air free from water vapor, particles, sulfur dioxide (SO_2), oxides of nitrogen (NO_x), ozone (O_3), carbon monoxide (CO) and hydrocarbons (HC).

Maintenance.

The PAG 003 is designed for continuous operation. Maintenance requirements are minimal and easy to perform. The installed particle filters and water traps guarantee seamless operation.

Specifications.

Elimination:	
NOx, SO2, ozone	*< 10 ppt*
HC, CO	*< 3 ppb*
Dew point:	- 15 °C
Particles:	< 7 µm
Output flow:	15 l/min (max.)
Output pressure:	2 bar (max.)
Gas connections:	¼'' Swagelok
Supply voltage:	230 V / 50 Hz or 115 V / 60 Hz
Power consumption:	900 VA total
Dimensions:	19'' rack (6 HU)
Weight:	25.5 kg PAG 003 6.6 kg compressor

- *Pure air down to ppt level*
- *Particle free*
- *Dry air*
- *Adjustable output pressure*
- *19'' rack size*

ECO PHYSICS

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