

FT-IR Purge Gas Generator

Applications: FT-IR

AiroGen® FT-IR Purge Gas Generators from IATT is specifically designed for use with FT-IR spectrometers to provide a purified purge and air bearing gas supply from a clean, dry compressed air supply.

The unit provides instruments with CO₂ free compressed air at less than -70°C dewpoint with no suspended solid impurities larger than 0.01 micron 24 hours/day, 7 days/week.

Benefits

Better detector performance

- The TOC AIR generator reduces CO₂ level < 1 ppm for TOC application and Electronic Noise.
- The FT-IR Purge Gas Generator provides cleaner background spectra in a shorter period of time and more accurate analysis by improving the signal-to-noise ratio.

Increased laboratory efficiency

- A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

Improved safety

- TOC AIR or FT-IR purge gas produced at low pressure and ambient temperature removes the need for high pressure cylinders.

Simple installation

- Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere.

Features

- Built-in-air compressor.
- Quiet operation using a soundproofed compressor enclosure and anti-vibration features.
- Auto start.
- Audible and alarm display with help menu.
- Visual maintenance indication.
- Outlet flow indicator.
- Energy Saving Mode: Enables the compressor to switch off when Air Purge Gas supply is not required.
- Increases FT-IR sample throughput and maximizes up-time.
- Improves signal-to-noise ratio even on non-purge systems.
- Can be fitted with wheels for mobility.



{ IATT team of factory trained engineers are located throughout the UK

AiroGen®
laboratory gas generators

IATT
INDEPENDENT AIR TREATMENT TECHNOLOGY LTD.

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Model	Flow rate (Max)	Outlet pressure (Max)	CO2 concentration	H2O Dew point	Min/Max. Ambient temperature	Built with in Air Compressor	Dimensions W x H x D cm	Net weight Kg
FT-IR 30/1	30 L/min	80 Psig	< 1 ppm	-70°C	5°C -35°C	yes	43 x 78 x 77	100