



FT-IR PURGE GAS GENERATOR SERIE FT-IR



F-DGS's FT-IR PURGE GAS generators is specifically designed for use with FT-IR spectrometers to provide a purified purge and air bearing gas supply from compressed air.

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



Application :

- FT-IR

Benefits and Savings

■ 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.

■ Better detector performance

The FT-IR Purge gas generator generates cleaner background spectra in a shorter period of time and more accurate analysis by improving the signal-to-noise ratio.

■ Improved safety

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

Standard Features

- * Flow rate : 30 L/min
- * Integrated oil free air compressor
- * Auto start
- * Visual maintenance indication
- * Audible and alarm display with help menu
- * Outlet flow indicator
- * Energy saving Mode
- * Remote access to screen using internet or GSM
- * Fit with wheels

ENERGY SAVING MODE:

The generator has a real-time calendar and clock which can be easily updated no matter where you are in the World. By using the Auto-Run function you can select when the generator runs giving you complete control of your gas supply and saving energy.

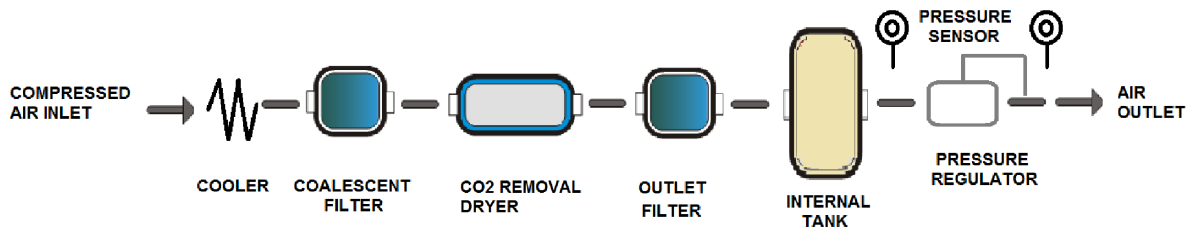
Example: If your laboratory working hours is 8am to 6pm, set the generator to start at 5am to ensure you have high quality gas at 8am and have it switch off at 7pm, reducing running time and energy by some 55%.

The FT-IR Purge Gas generator uses a CO2 removal air dryer .

The gas generator is designed to take pre-filtered compressed air at 8 barg from the integrated oil-free compressor.

The technology used to produce a continuous flow of CO2 Free air a CO2-removal dryer which selectively eliminate CO2, moisture and other contaminants from the compressed air .

This unit is equipped with an outlet filter to remove 99.99% of particulates greater than 0.01 microns in size.



Technical Specifications

Model	Flow rate (Max)	Outlet pressure (Max)	CO2 level	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	115

Technical Data

Electrical Supply	220v a.c. / 1ph / 50Hz or
	110v a.c. / 1ph / 50-60Hz
Outlet connections	G 1/4" (BSP) Female

