



## Purge Gas Generators

Titan N2's Purge Gas Generator Systems are designed to continuously remove water vapour and CO2 from compressed air and inert gasses. At Titan N2, our FT-IR Purge Gas Generator range is tailored specifically to laboratory and industrial requirements. This ultra-dry air generating system is ideal for continuous emissions monitoring, environmental instruments, gas chromatographs and zero air systems, among many other applications.

Our Purge Gas Generator units use 13X molecular sieve media with the pressure-swing adsorption (PSA) process to reduce

levels of CO2 to below 1 PPM and reduce water vapour content to less than  $-70^{\circ}\text{C}$ . This makes any unit in the range the ideal partner for laboratory applications such as TOC analysers and FT-IR Spectrometers.

Reliability and performance are key in supplying our clients with products of the highest quality. From package selection to maintenance and servicing, our team offers continual advice and bespoke support.



FT-IR Purge Gas Solution



CO2 PG80



CO2 PG28



CO2 PG14



## FT-IR Purge Gas Solution

The FT-IR Purge Gas Solution is the latest addition to our Purge Gas range.

This 'plug and play' unit includes an integrated air compressor, allowing for easier installation and maintenance, and requiring less space to house it than two separate systems. By combining our generator with its air compressor in a single box, we have created a more robust system with higher reliability. Like the other models in the range, this improved design provides continuous, uninterrupted, silent operation and is designed to run 24 hours per day, 7 days a week.



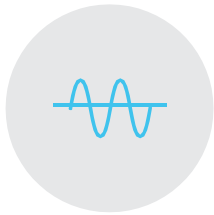
### Flow rates from 14l/min to 80l/min

Depending on your application's requirements



### Clean & Dry

CO2 removal to <0.1ppm and removes water vapour to -70°C



### Reliable & Efficient

High spec filtration and an integrated buffer tank, ensure a quiet baseline on your instrument



### Plug & Play

Available with its own integrated compressor or can be quickly and easily connected to your existing compressed air

### Tech Spec

Flow options of 14l/min or 28l/min

Outlet pressure 50-150 PSI

Purity <1ppm CO2

655 x 400 x 400mm



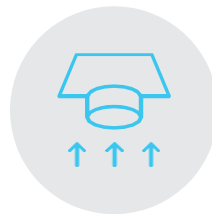
## CO2 PG80

The PG80 offers the highest flow rate of our range of Purge Gas Generators with a flow of 80 litres per minute. It offers silent, continuous operation in a compact design that cleverly hides how powerful this unit really is.



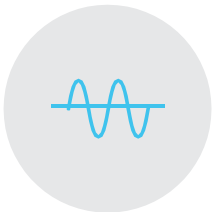
### Flow rates from 14l/min to 80l/min

Depending on your application's requirements



### Clean & Dry

CO2 removal to <0.1ppm and removes water vapour to -70°C



### Reliable & Efficient

High spec filtration and an integrated buffer tank, ensure a quiet baseline on your instrument



### Plug & Play

Available with its own integrated compressor or can be quickly and easily connected to your existing compressed air

### Tech Spec

Flow 80 litre/min

Outlet pressure 50 - 150 PSI

Purity less than 1 PPM CO2

Dewpoint -70°C

150 x 400 x 550mm



## CO2 PG28

This compact, lightweight generator saves space and is easy-to-install in any laboratory setting. The PG28 is designed for continuous use, and features a sound insulated enclosure that ensures silent operation.



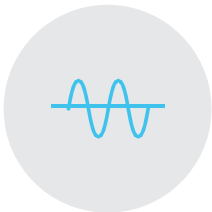
### Flow rates from 14l/min to 80l/min

Depending on your application's requirements



### Clean & Dry

CO2 removal to <0.1ppm and removes water vapour to -70°C



### Reliable & Efficient

High spec filtration and an integrated buffer tank, ensure a quiet baseline on your instrument



### Plug & Play

Available with its own integrated compressor or can be quickly and easily connected to your existing compressed air

### Tech Spec

Outlet pressure 50 - 150 PSI

Purity less than 1 PPM CO2

Dewpoint -70°C

150 x 400 x 550mm

150 x 400 x 550mm



## CO2 PG14

Titan's PG14 purge gas generator unit provides continuous, uninterrupted, silent gas generation, and is designed to operate 24 hours per day, 7 days a week.



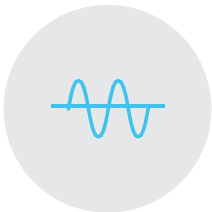
### Flow rates from 14l/min to 80l/min

Depending on your application's requirements



### Clean & Dry

CO2 removal to <0.1ppm and removes water vapour to -70°C



### Reliable & Efficient

High spec filtration and an integrated buffer tank, ensure a quiet baseline on your instrument



### Plug & Play

Available with its own integrated compressor or can be quickly and easily connected to your existing compressed air

### Tech Spec

Flow 14 litre/min

Outlet pressure 50 - 120 PSI

Purity less than 1 PPM CO2

Dewpoint -70°C

150 x 400 x 500mm

150 x 400 x 550mm