

# Chrysalis® II TOC Gas Generator

Provides CO<sub>2</sub> FREE Air for TOC Analyzer Operation



## Description

The Chrysalis® II TOC Purge Gas Generator is designed to provide a continuous stream of CO<sub>2</sub> free air from compressed air sources to generate purge gas for use with TOC Analyzers. The TOC Gas Generator incorporates the Pressure Swing Adsorption (PSA) process to reduce CO<sub>2</sub> levels to below 1 ppm and water vapor content to less than -100°F dew point. The Chrysalis® II TOC Gas Generator effectively eliminates the need to utilize oxygen or nitrogen gas cylinders to support operation and is ideally suited to produce air purity to levels that meet or exceed the gas purity requirements specified by manufacturers of TOC Analyzers. The TOC Gas Generator is designed to operate 24-hours/day, 7-days/week. The integral dual tower design provides continuous uninterrupted operation without having to change media. The TOC Gas Generator requires a compressed air source for operation and the air should be compatible with instrument quality air. Combine the Chrysalis® II TOC Gas Generator with a Chrysalis® II ZERO Air Generator to further purify the air by removing hydrocarbons (as methane) for other applications.

## Applications

- Purge gas and carrier/combustion gas for TOC Analyzers
- Continuous Emissions Monitors
- Calibration Air for CO<sub>2</sub> Analyzers
- Gas Chromatograph Instruments

## Product Features

- Flow rate up to 9.1 Lpm
- Reduces CO<sub>2</sub> levels to less than 1 ppm
- Reduces water vapor to less than 1 ppm

- Compact size conserves space
- Continuous self-regenerative operation
- Operating pressure 60 to 120 psig
- Regulator/filter with gauge installed on outlet
- No moving parts requiring maintenance
- Wall mountable design
- Power cord with plug included

## Operating and Physical Specifications

Flow Rate:	2.1 Lpm (60 psig air inlet pressure)
	9.1 Lpm (120 psig air inlet pressure)
Min/Max Inlet Air Pressure:	60 psig/120 psig
Compressed Air Quality:	Instrument; Oil-less
CO <sub>2</sub> Concentration:	< 1 ppm
Dew Point:	-100 °F
Max Inlet Air Temperature:	77 °F
Inlet/Outlet Port Size:	1/4" NPT
Power Source:	115 VAC/60 Hz; 9 watts
Dimensions:	10"H x 12"W x 4.5"D
Weight:	6.5 lbs.
Warranty:	1 year

## Flow Capacity Chart (flow rates in Lpm for each model)

Air Inlet Pressure (psig)	TOC-CO2-9
120	9.1
110	8.4
100	7.7
90	6.2
80	5.4
70	3.3
60	2.1

## Ordering Information

Model Number	Description	Capacity*
TOC-CO2-9	TOC Gas Generator	9 Lpm
CO2-IN-FILT2	Replacement Inlet Air/Coalescing Filter Cartridge	
CO2-IN-HSG2	Replacement Inlet Air/Coalescing Filter Housing with Filter	
CO2-OUT-FILT	Replacement Outlet Air Filter Cartridge	
CO2-OUT-REG	Replacement Outlet Regulator/ Filter Assembly with Filter	

\*Flow rate will vary based upon the air pressure supplied to the inlet of the Generator. Please refer to the Flow Capacity Chart for additional flow information.



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