

Gas Generators for Total Organic Carbon (TOC)



TOC Gas Generators

Parker TOC Gas Generators produce carrier and combustion gas from an existing compressed air supply for TOC instruments, eliminating the need to purchase expensive, inconvenient, high pressure cylinders of air, nitrogen, or oxygen.

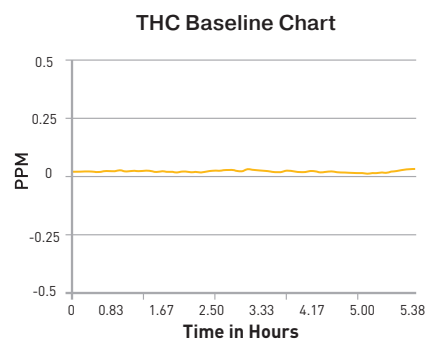
Product Features:

- Ensures consistent, reliable, TOC operation and reduces instrument service and maintenance costs
- Compact design frees up valuable laboratory floor space
- Purity meets or exceeds all TOC manufacturer's gas purity requirements
- Easy installation
- Operational display shows system status at a glance
- Requires minimal annual maintenance

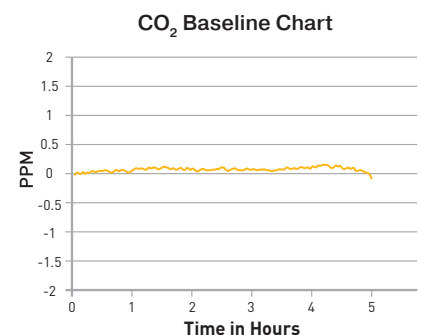


The generators utilize catalytic oxidation and pressure swing adsorption technologies to remove hydrocarbons to 0.05 ppm (measured as methane), CO₂ to 1 ppm, water vapor to 1 ppm, and CO to 1 ppm.

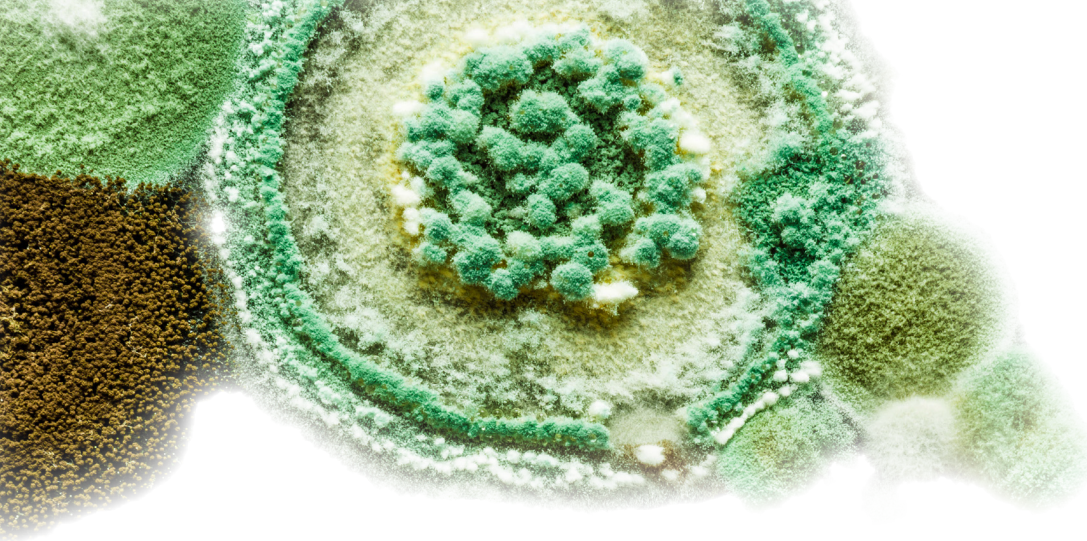
Baseline Supplied by a Parker TOC Gas Generator



Baselines of THC Analyzer and CO₂ Content Analyzer after 5 hours supplied by a Parker TOC Gas Generator



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Principal Specifications

Model	TOC-625	TOC-1250
Max. TOC Gas Flow Rate (outlet) at 100 psig	625 cc/min	1200 cc/min
Outlet Hydrocarbon Concentration (as methane)	< 0.05 ppm	0.1 ppm
Outlet CO ₂ Concentration	<1.0 ppm	
Outlet CO Concentration	< 1.0 ppm	
Dewpoint	-100°F (-73°C)	
Inlet and Outlet Port Connections	1/4" NPT (female)	
Minimum/Maximum Inlet Air Pressure	60 psig/125 psig	
Maximum Inlet Air Temperature	78°F (25°C)	
Min. Required Inlet Air Flow at 100 psig	2.0 lpm (2,000 cc/min)	2.5 lpm (2,500 cc/min)
Max. Inlet Hydrocarbon Concentration (as methane)	100 ppm	
Pressure Drop at Maximum Flow Rate	7 psig	
Electrical Requirements	120VAC/60 Hz, 2.0 Amps.	
Dimensions	9" w x 12.5" h x 16" d (23 cm x 32 cm x 41 cm)	11" w x 17" h x 17" d (28 cm x 43 cm x 43 cm)
Shipping Weight	34 lbs. (15.42 kg)	48 lbs. (22 kg)

Ordering Information

for assistance, call 800-343-4048

Description	Model	
TOC Gas Generator	TOC-625	TOC-1250
Maintenance Kit @ 12 months	MKTOC625-12	MK7840
Maintenance Kit @ 36 months	MKTOC625-36	76810
Installation Kit	IK76803	IK76803
Preventive Maintenance Plan	IK76803	TOC-1250-PM

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State of California ONLY
WARNING: Proposition 65
 The products described herein can expose you to chemicals known to the
 State of California to cause cancer or reproductive harm.
 For more information: www.P65Warnings.ca.gov

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