

# TOC Gas Generator

**The Parker Balston® TOC Gas Generators** produce carrier/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.

The generators utilize catalytic oxidation and pressure swing adsorption technologies to remove hydrocarbons to 0.05 ppm (measured as methane), CO<sub>2</sub> to 1 ppm, water vapor to 1 ppm, and CO to 1 ppm.

Parker Balston TOC Gas Generators eliminate all the inconveniences and costs of cylinder gas supplies and dependence on outside vendors.

Uncontrollable vendor price increases, contract negotiations, long term commitments and tank rentals are no longer a concern. The Parker Balston TOC Gas Generator offers long-term cost stability.

Parker Balston TOC Gas Generators are complete systems with carefully matched components engineered for easy installation, operation, and long term reliability. Installation consists of connecting a standard compressed air line to the inlet and connecting the outlet to the TOC gas supply line. Plug the generator into a standard electrical wall outlet and within minutes high purity carrier/combustion gas is supplied!



Model TOC-1250



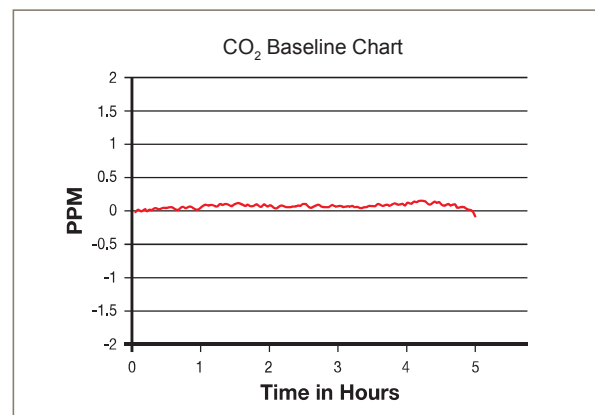
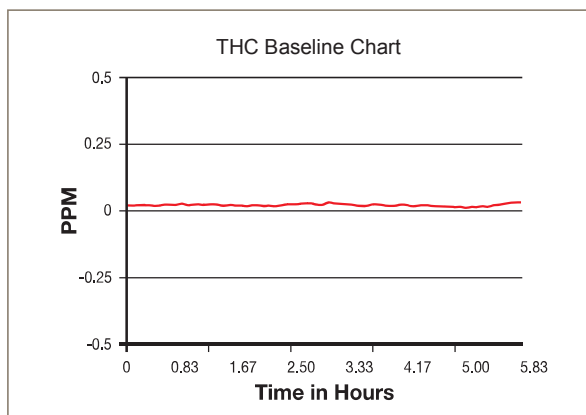
Model TOC-625



## Features and Benefits

- Replaces high pressure oxygen or nitrogen gas cylinders with hydrocarbon-free, CO<sub>2</sub>-free compressed gas for TOC Analyzers
- 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
- Operational display shows system status at a glance
- Requires minimal annual maintenance

## Baseline Supplied by a Parker Balston TOC Gas Generator



Baselines of THC Analyzer (above) and CO<sub>2</sub> Content Analyzer (right) after 5 hours supplied by a Parker Balston® TOC Gas Generator.

# TOC Gas Generator

## Principal Specifications

TOC Gas Generator	Model TOC-625	Model 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 <sub>2</sub> Concentration	< 1 ppm	< 1 ppm
Outlet CO Concentration	< 1 ppm	< 1 ppm
Dewpoint	< -100°F (-73°C)	< -100°F (-73°C)
Inlet and Outlet Port Connections	1/4" NPT (female)	1/4" NPT (female)
Min/Max Inlet Air Pressure	60 psig/125 psig	60 psig/125 psig
Max Inlet Air Temperature	78°F (25°C)	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	100 ppm
Pressure Drop at Maximum Flow Rate	7 psig	7 psig
Electrical Requirements (1)	120VAC/60 Hz, 2.0 Amps.	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)

### NOTES:

1 Refer to voltage appendix for electrical and plug configurations for outside North America.

## Ordering Information

for assistance, call 800-343-4048, 8 to 5 Eastern Time

Description	Model Number	
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	TOC-625-PM	TOC-1250-PM

