

TOC Gas Generator

- ▲ Replaces high pressure oxygen or nitrogen gas cylinders with hydrocarbon-free, CO₂-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 manufacturers' gas purity requirements
- ▲ Unique display shows qualitative gas purity at a glance



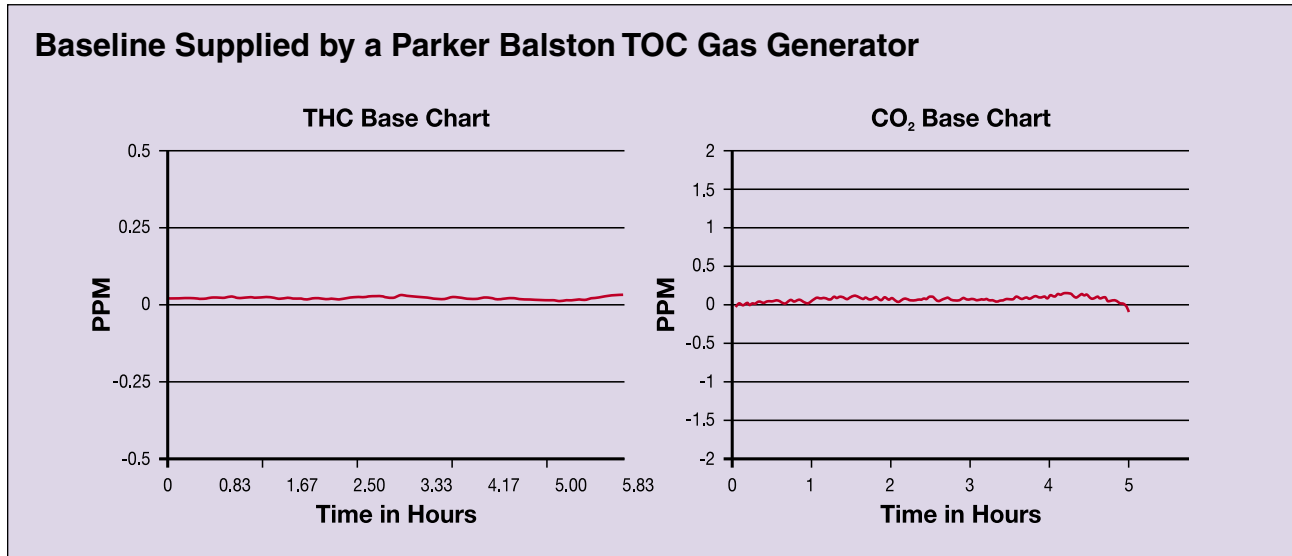
Model TOC-1250

The Parker Balston® TOC-1250 Gas Generator produces 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 Parker Balston TOC-1250 utilizes catalytic oxidation and pressure swing adsorption technologies to remove hydrocarbons to 0.1 ppm (measured as methane), CO₂ to 1 ppm, and water vapor to 1 ppm (-100°F/-73°C dewpoint).

The Parker Balston TOC Gas Generator eliminates 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.

The Parker Balston TOC-1250 is a complete system 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!

TOC Gas Generator



Baselines of THC Analyzer (above) and CO₂ Content Analyzer (right) after 5 hours supplied by a Parker Balston® TOC Gas Generator.

Principal Specifications

Model TOC-1250 TOC Gas Generator

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| Max. TOC Gas Flow Rate (outlet) at 100 psig | 1.25 lpm (1,250 cc/min) |
| Outlet Hydrocarbon Concentration (as methane) | 0.1 ppm |
| Outlet CO ₂ Concentration | < 1 ppm |
| Dewpoint | < -100°F (-73°C) |
| Inlet and Outlet Port Connections | 1/4" NPT (female) |
| Min/Max Inlet Air Pressure | 65 psig/125 psig |
| Max Inlet Air Temperature | 78°F (25°C) |
| Min Required Inlet Air Flow at 100 psig | 2.5 lpm (2,500 cc/min) |
| Max Inlet Hydrocarbon Concentration (as methane) | 100 ppm |
| Pressure Drop at Maximum Flow Rate | 7 psig |
| Warm-up Time | 45 minutes |
| Electrical Requirements | 120VAC/60 Hz, 2.0 Amps. |
| Dimensions | 11" w x 17" h x 17" d (28 cm x 43 cm x 43 cm) |
| Shipping Weight | 48 lbs. (22 kg) |

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

| Description | Model Number |
|---|--------------|
| TOC Gas Generator | TOC-1250 |
| Annual Maintenance Kit | MK7840 |
| Installation Kit | IK76803 |
| Preventative Maintenance Contract | MFZATOC-PM |
| Extended Support with 24 Month Warranty | TOC-1250-DN2 |