

# TOC Generators

## Carrier/Combustion Gas for Total Organic Carbon

Part Number : See Reverse

Service Kit : See Reverse



Your local **gas generation** partner

### Description

Peak Scientific's TOC range of specialist generators have been designed specifically to supply clean, dry, carbon dioxide free air for Total Organic Carbon analyzers. The TOC1500HP further removes hydrocarbons (as methane) for applications requiring a higher purity of air.

Delivering carrier or combustion gas from an external air supply, these generators are available in two models, depending on your requirement, the standard model is suitable for non-purgeable organic carbon (NPOC) whilst the HP model is suitable for TC-IC process Total Organic Carbon analyzers.

Peak Scientific has engineered specialist gas generation solutions to meet the demands of some of the more niche applications in the scientific market. Included in this categorization are the Fusion 1010, specifically designed for GC-ECD, TOC range for Total Organic Carbon analyzers and the CG range for CO<sub>2</sub> analyzers.

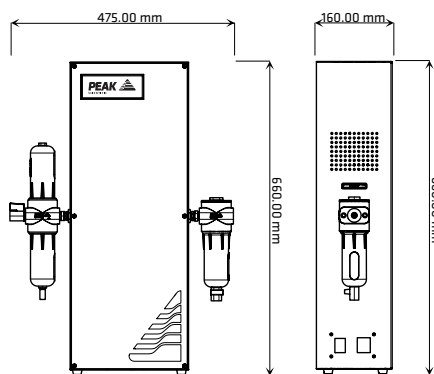


### Applications

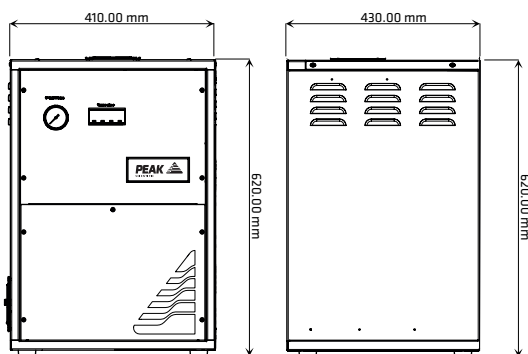
- TOC1500 suitable as combustion/carrier gas for NPOC
- TOC1500HP suitable as combustion/carrier gas for TC-IC and NPOC

### Key Features

- Produces clean, dry, carbon dioxide free air. TOC1500HP further removes any Hydrocarbons (as Methane).
- Ideal for TOC analyzers
- Can operate 24/7 at optimal performance if required
- Wall-mountable for small labs (TOC1500)
- Few moving parts means little maintenance required and ensures long life of the generator
- Completely silent in operation
- Minimal set-up required



TOC 1500



TOC 1500 HP

TOC Generators Dimensions

| Technical Specifications     | TOC 1500                                  | TOC 1500 HP                                 |
|------------------------------|---|---|
| Max Outlet Flow Rate         | 1500 cc/min                               |   |
| Max Outlet Pressure          | 100 psi / 6.9 bar                         |   |
| Max Inlet Flow Rate          | 6 L/min                                   | 9.5 L/min                                   |
| Min-Max Inlet Pressure       | 100-120 psi / 6.9-8.2 bar                 |   |
| CH <sub>4</sub> Content      | N/A                                       | <0.1 ppm                                    |
| CO <sub>2</sub> Content      | < 1.0 ppm                                 |   |
| Pressure Dewpoint            | - 70°C / -94°F                            |   |
| Max Relative Humidity        | 70% Non-Condensing                        |   |
| Particles                    | <0.01µm                                   |   |
| Gas Outlets                  | 1x 1/4" BSP Female                        |   |
| Phthalates                   | None                                      |   |
| Suspended Liquids            | None                                      |   |
| Max Inlet THC                | 100 ppm                                   |   |
| Max Inlet Air Temperature    | 25°C / 77°F                               |   |
| Operating Temperature        | 5°C - 25°C / 41°F - 77°F                  |   |
| Electrical Requirements      | 100-240VAC 50/60/Hz 80mA                  | 115VAC 50/60Hz 5.2A / 230VAC 50/60Hz 2.6A   |
| Power Consumption            | 240V - 19.2 Watts / 100V - 8 Watts        | 230V - 598 Watts / 115V - 598 Watts         |
| Generator Dimensions (HxWxD) | 660 x 475 x 160 mm / 25.9 x 18.7 x 6.3 in | 620 x 430 x 410 mm / 24.4 x 16.9 x 16.14 in |
| Generator Weight             | 12 Kg (26 lbs)                            | 57.5 Kg (127 lbs)                           |
| Noise Level                  | Silent in Operation                       |   |

| Ordering Information      |         |    |         |
|---------------------------|---------|----|---------|
| Part Number               | 42-1030 | UK | 42-1040 |
|                           |         | EU | 42-1050 |
|                           |         | US | 42-1060 |
| Standard Maintenance Plan | 09-3110 |    |         |
| Complete Maintenance Plan | 09-3010 |    |         |

## [PEAK Protected]<sup>TM</sup>

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



FM 515973



### Product Certifications

