

## Gas filters | Oxygen

Gas filters are an essential part of your GC analysis as contaminants in gases can significantly impact the quality of results. Oxygen, hydrocarbons and moisture can lead to problems such as noisy baselines, moisture entering the GC column, excessive bleed and septa degradation. Even if carrier gas is of the highest quality, contaminants can be picked up from every part of the gas line. Therefore, a gas filter is needed to ensure that maximum productivity is achieved.

### Features and benefits

- Capacity of 150 mL oxygen for long filter lifetime.
- Indicator color change tells you when to change your filter.
- Can be used in combination with other filters through a simple connecting unit.

### Recommended applications

- ECD (electron capture detectors) and TCD (thermal conductivity detectors) when used with a moisture filter.
- PID (photoionization detectors) when used with a hydrocarbon filter.

### Product specifications

The gas filter system consists of two key parts: the connecting unit and the filters. The connecting unit has inlet and outlet connectors for the gas lines, and the system can be wall-mounted or fixed to a bench. Connecting units come with a 1, 2 or 4 filter capacity and are available for 1/4" or 1/8" gas lines.

Each gas filter consists of adsorbent packed into a transparent and virtually unbreakable, heavy-walled polycarbonate housing.



<b>Filter type</b>	Oxygen
<b>Function</b>	Removes oxygen as well as traces of sulfur and chlorine compounds from the carrier gas
<b>Indicator color change</b>	From green to gray
<b>Capacity</b>	150 mL oxygen
<b>Outlet concentration at operating flow of 1-10 L/min</b>	<50 ppb

For more information about this product visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)