

## Gas filters | Carrier gas

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 100 mL oxygen, 1 g water, organics depending on impurities.
- 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

- GCMS

### 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>	Carrier gas
<b>Function</b>	Single combination filter; removes water, oxygen and organic compounds
<b>Indicator color change</b>	Oxygen: From green to gray Moisture: From green to pale brown Hydrocarbon: No indicator
<b>Capacity</b>	100 mL oxygen, 1 g water, organics depending on impurities
<b>Outlet concentration at operating flow of 1-10 L/min</b>	Oxygen <50 ppb Moisture <0.1 ppm Organics <0.1 ppm

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