



# Would you drink from a dirty straw?

Agilent  
**CrossLab**  
From Insight to Outcome



## Online selection tool

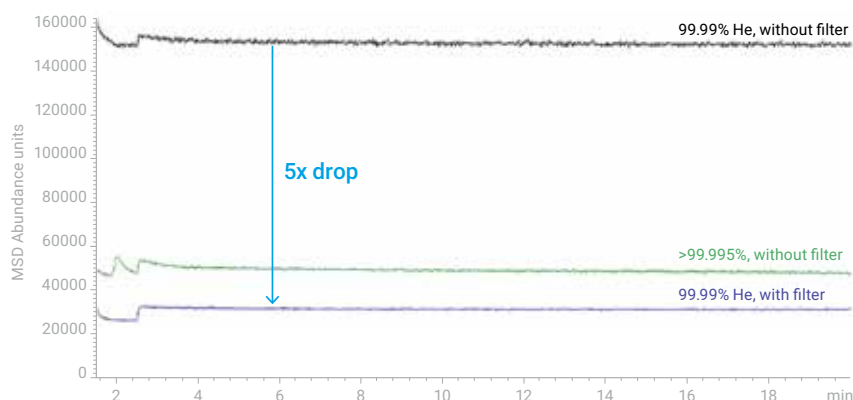
Select the best Gas Clean filter for your GC or GC/MS application with our [online selection tool](#)

Just like a dirty straw can spoil your drink, gas contaminants can jeopardize your analytical sensitivity and accuracy.

Agilent Gas Clean Filters work with any GC or GC/MS system, and give you advantages such as:

- Increased GC/MS sensitivity: Gas Clean Filter system improve your trace analysis by reducing the levels of oxygen, moisture, and hydrocarbons in the gas
- Protection for your instrument and column: The highly sensitive filter changes color when it needs replacing, keeping your gas supply's moisture content <0.1 ppm
- Less downtime than with in-line filters: A unique, leak-free connection design lets you replace and stabilize filters without tools or gas shut-off
- Up to 30% cost savings per liter: Gas Clean Filters allow you to use 4.6 grade helium – instead of the more expensive 5.0 or 6.0 grades – without sacrificing results
- Up to 25% longer life time than other in-line filters

Carrier gas contributes to total analytical cost. The higher the purity of the gas the more expensive it is. Using lower grade cheaper carrier gas with Gas Clean Filters allows you to lower your total analytical cost without sacrificing performance.



**Figure 1. EICs (32  $m/z$ ) for  $O_2$ .** A comparison of balloon grade (99.99%) He (with and without a carrier Gas Clean filter) and Higher grade (>99.995 %) He (without filter). Using a carrier gas filter with balloon grade He dropped the  $O_2$  abundance to levels lower than the higher grade He (>99.995%) without a filter.

This easy ordering guide will help you choose the right Gas Clean Filter for any GC system in your lab

Gas Clean Filter kits	Part number
<b>Agilent Gas Clean Filter kit (connecting unit for four filters, incl. four filters [1/4 in. tube*] – 2 charcoal, 1 oxygen, 1 moisture)</b>	<b>CP7995</b>
<b>Agilent Gas Clean Filter kit (connecting unit for four filters, incl. four filters [1/8 in. tube] – 2 charcoal, 1 oxygen, 1 moisture)</b>	<b>CP736530</b>
<b>Agilent Gas Clean GC/MS Filter kit (incl. one connecting unit 1/8 in. and two Carrier Gas filters)</b>	<b>CP17976</b>
<b>Agilent Gas Clean GC/MS Filter kit (incl. one connecting unit 1/4 in. and two Carrier Gas filters)</b>	<b>CP17977</b>
<b>Agilent Gas Clean GC/MS Filter installation kit (incl. CP17976, 1 m copper tubing, two nuts, and two ferrules 1/8 in.)</b>	<b>CP17978</b>
<b>Agilent Gas Clean <math>CO_2</math> kit, 1/4 in. (incl. 2 position connecting unit and <math>CO_2</math> and Moisture Filters)</b>	<b>CP17982</b>
<b>Agilent Gas Clean <math>CO_2</math> kit, 1/8 in. (incl. 2 position connecting unit and <math>CO_2</math> and Moisture Filters)</b>	<b>CP17983</b>
<b>TCD Filter kit (with Oxygen and Moisture Filters)</b>	<b>CP738408</b>
<b>Intuvo Gas Clean Filter Kit</b>	<b>CP17995</b>
<b>Gas Clean Kit for 8890 and 8860 GC</b>	<b>CP179880</b>

Connecting unit for:	Part number
<b>1 Filter (1/4 in. tube)</b>	<b>CP7980</b>
<b>1 Filter (1/8 in. tube)</b>	<b>CP7988</b>
<b>2 Filters (1/4 in. tube)</b>	<b>CP738406</b>
<b>2 Filters (1/8 in. tube)</b>	<b>CP738407</b>
<b>4 Filters (1/4 in. tube)</b>	<b>CP7989</b>
<b>4 Filters (1/8 in. tube)</b>	<b>CP736520</b>
<b>High flow connecting unit, 1/4 in.</b>	<b>CP17984</b>
<b>High flow connecting unit, 1/8 in.</b>	<b>CP17985</b>
<b>Agilent Gas Clean Process Moisture Filter:</b>	
<b>1 Filter (SS, 1/4 in. tube)</b>	<b>CP7980P4</b>
<b>1 Filter (SS, 1/8 in. tube)</b>	<b>CP7988P8</b>
<b>1 Filter (SS, 3 mm tube)</b>	<b>CP7988P3</b>
<b>1 Filter (SS, 6 mm tube)</b>	<b>CP7980P6</b>

Replacement Gas Clean Filters	Part number
<b>Agilent Gas Clean CO<sub>2</sub> Filter</b>	<b>CP17969</b>
<b>Agilent Gas Clean Oxygen Filter</b>	<b>CP17970</b>
<b>Agilent Gas Clean Moisture Filter</b>	<b>CP17971</b>
<b>Agilent Gas Clean Process Moisture Filter</b>	<b>CP17971P</b>
<b>Agilent Gas Clean Charcoal Filter</b>	<b>CP17972</b>
<b>Agilent Gas Clean Carrier Gas Filter</b>	<b>CP17973</b>
<b>Agilent Gas Clean Sulfur Filter</b>	<b>CP17989</b>

Accessories and Fittings	Part number
<b>Wall mounting bracket for connecting unit (for CP7980 and CP7988)</b>	<b>CP7981</b>
<b>Upper part filter connecting unit</b>	<b>CP7978</b>
<b>Flush head for connecting unit</b>	<b>CP7987</b>
<b>Male connector 1/4 in. with dust filter</b>	<b>CP7986</b>
<b>Male connector 1/8 in. with dust filter</b>	<b>CP82117</b>
<b>Viton O-rings (two sets)</b>	<b>CP7983</b>
Male connector for Gas Clean Process Moisture Filter:	
<b>Male connector SS 1/4 in. with dust filter</b>	<b>CP7986SS</b>
<b>Male connector SS 1/8 in. with dust filter</b>	<b>CP82117SS</b>
<b>Male connector SS 3 mm with dust filter</b>	<b>CP82117SS3</b>
<b>Male connector SS 6 mm with dust filter</b>	<b>CP7986SS6</b>

## Ensure peak performance throughout your GC flow path

**Agilent GC and GC/MS supplies** are brought to you by the same people who engineered our GC and GC/MS instruments, so you can count on outstanding results and support.

**Agilent J&W GC columns** deliver the lowest bleed levels, the best inertness, and the tightest column-to-column reproducibility.

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CrossLab is an Agilent capability that integrates services, consumables and lab-wide resource management to help laboratories improve efficiency, optimize operations, increase instrument uptime, develop user skill and more.

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© Agilent Technologies, Inc. 2019  
Published in the USA, January 16, 2019  
5990-9059EN