Ultra Clean Gas Filters

Cartridge Type

Features

- Ultra-high capacity
- High-purity output ensures 99.9999% Pure gas
- “Quick connect” fittings for easy, leak-tight cartridge changes
- Glass inside to prevent diffusion; plastic outside for safety
- Easy-to-read indicators
Ultra Clean Gas Filters

Cartridge systems make changing gas filters quick and easy. A base plate allows cartridges to be exchanged without introducing oxygen.

Spring-loaded check valves seal when a filter is removed and open only when a new filter has been locked in place. There is no longer a need for loosening and tightening fittings every time a trap is changed and your system will not become contaminated during the process.

Carrier Gas Purity

Carrier gas should contain less than 1ppm of oxygen, moisture, or other trace contaminants, to prevent column degradation, increase column lifetime, and decrease stationary phase bleed.

The expense of using high-purity gases in combination with carrier gas line purifiers will be offset by longer column lifetime and less GC maintenance.

Contaminants cause ghost peaks to appear during temperature programming and degrade the validity of analytical data.

Make-up gas also should be contaminant-free, or baseline fluctuations and excessive detector noise can occur; detector gases should be free of water and hydrocarbons, or excessive baseline noise can result.

Gas purifiers remove these contaminants from gas sources, thereby improving system performance.
Ultra Clean Gas Filter Kits for GC

Complete Filter Bundle Kit for FID
The Fuel Gas Triple Kit is perfect for purifying carrier gas and flame ionization detector (FID) fuel gases, removing oxygen, moisture and hydrocarbons from the carrier gas using the triple filter and removing both moisture and hydrocarbons from the Fuel gas using the two combi filters. Using the combi filters for FID Hydrogen and air will produce a stable baseline, improving overall reproducability and sensitivity.

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>Part No.</th>
<th>Gas Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Filter</td>
<td>N9306819</td>
<td>Carrier Gas</td>
</tr>
<tr>
<td>Combi Filter</td>
<td>N9306818</td>
<td>Hydrogen</td>
</tr>
<tr>
<td>Combi Filter</td>
<td>N9306818</td>
<td>Air</td>
</tr>
</tbody>
</table>

Kit Part No. N9306843

Ultra Clean Gas Filters for GC

Ultra-High Capacity Moisture Filter
Catalog No. N9306814

Specifications
- **Outlet Gas Quality (%)** > 99.9999
- **Maximum Pressure** 11 bar (160 psi)
- **Maximum Flow** 7 L/min.
- **Usable For** Inert carrier gas, He, H2, N2, AR, Air
- **Dimensions** 24 cm x Ø 4.4 cm
- **Weight** 0.26 Kg
- **Estimated Lifetime** > 2 years

Moisture Removal
Moisture in carrier gas lines will prematurely degrade oxygen and hydrocarbon traps and increase detector noise. As a precaution, we highly recommend installing a moisture trap before the hydrocarbon and oxygen traps on all carrier gas lines.

| Capacity | H$_2$O | 7.2 g |

Triple Filter Kit for MS/ECD/NPD
The Triple Filter Kit is an all in one solution ideal for purifying carrier gas. The kit includes 1 Triple (Oxygen/Moisture/Hydrocarbon) Filter cartridge and (1) 1 position base plate.

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>Part No.</th>
<th>Gas Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Filter</td>
<td>N9306819</td>
<td>Carrier Gas</td>
</tr>
</tbody>
</table>

Kit Part No. N9306829
Fuel Gas Filter

The Fuel Gas Filter is perfect for purifying flame ionization detector (FID) fuel gases, removing both moisture and hydrocarbons. Using the Fuel Gas Filter for FID Hydrogen and air will produce a stable baseline, improving overall reproducibility and sensitivity. Ideal for use in combination with a zero air generator.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\text{H}_2\text{O}$</td>
<td>3.5 g</td>
</tr>
<tr>
<td>HC</td>
<td>12 g (as $n$-butane)</td>
</tr>
</tbody>
</table>

Oxygen Removal

Oxygen is a column killer. It is present even in UHP gases, as minutes leaks at fittings allow oxygen to influx against the concentration gradient. Because oxygen can enter a gas line at any fitting or during gas bottle exchange, the oxygen trap should be the last connection before the gas line enters the chromatograph.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>O$_2$</td>
<td>1000 mL</td>
</tr>
</tbody>
</table>

Hydrocarbon Removal

Use a hydrocarbon trap if your gas has a potential source of hydrocarbon contaminants or if you suspect you are observing carrier gas ghost peaks. Install the hydrocarbon trap after the moisture trap, to prevent moisture from degrading the hydrocarbon-trapping ability of the activated carbon in the hydrocarbon trap.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC</td>
<td>24 g (as $n$-butane)</td>
</tr>
</tbody>
</table>

Indicating Hydrocarbon

The hydrocarbon trap is also available with AT indicator.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC</td>
<td>24 g (as $n$-butane)</td>
</tr>
</tbody>
</table>

Ultra-High Capacity Oxygen Filter

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>N9306815</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td></td>
</tr>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H$_2$, N$_2$, AR</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

Ultra-High Capacity Hydrocarbon Filter

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>N9306816</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
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<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H$_2$, N$_2$, AR, Air</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

Ultra-High Capacity Indicating Hydrocarbon Filter

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>N9306817</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td></td>
</tr>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H$_2$, N$_2$, AR, Air</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

High Capacity Combi Filter

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>N9306818</th>
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<tbody>
<tr>
<td>Specifications</td>
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<tr>
<td>Outlet Gas Quality (%)</td>
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</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H$_2$, N$_2$, AR, Air</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>
### High Capacity Triple Filter

**Catalog No.** N9306819  
**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H2, N2, AR</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

### High Capacity Triple Filter with AT Indicator

**Catalog No.** N9306821  
**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H2, N2, AR</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

### High Capacity Triple Filter Helium Specific

**Catalog No.** N9306820  
**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>He</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

### High Capacity Triple Filter Hydrogen Specific

**Catalog No.** N9306822  
**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>7 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>H2</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>&gt; 2 years</td>
</tr>
</tbody>
</table>

### Triple Filter

The Triple trap is ideal for purifying carrier gas. It contains oxygen, moisture and hydrocarbon scrubbers in one easy to change economical cartridge.  
**Capacity**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂O</td>
<td>1.8 g</td>
</tr>
<tr>
<td>O₂</td>
<td>500 mL</td>
</tr>
<tr>
<td>HC</td>
<td>7 g (as n-butane)</td>
</tr>
</tbody>
</table>

### Triple Filter with AT Indicator

The Triple trap is also available with AT indicator for Hydrocarbon.  
**Capacity**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂O</td>
<td>1.8 g</td>
</tr>
<tr>
<td>O₂</td>
<td>500 mL</td>
</tr>
<tr>
<td>HC</td>
<td>7 g (as n-butane)</td>
</tr>
</tbody>
</table>

### Triple Filter Hydrogen Specific

The Hydrogen-Specific Triple trap is ideal for purifying hydrogen in GC/MS systems. This trap is packed and purged under hydrogen and contains oxygen, moisture and hydrocarbon scrubbers in one cartridge.  
**Capacity**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂O</td>
<td>1.8 g</td>
</tr>
<tr>
<td>O₂</td>
<td>500 mL</td>
</tr>
<tr>
<td>HC</td>
<td>7 g (as n-butane)</td>
</tr>
</tbody>
</table>
Ultra Clean Gas Filters for LC/MS

To meet the high flow needs of the LC/MS system, the hydrocarbon or moisture filled cartridges are positioned and placed in parallel. The incoming gas stream is split equally between the cartridges and the two streams are rejoined after purification but before the gas exits the base plate.

### Ultra-High Capacity Hydrocarbon Filter bundle for LC/MS

**Catalog No.** N9306823

**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>20 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Nitrogen</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>3 to 6 months</td>
</tr>
</tbody>
</table>

### Hydrocarbon Removal

Up to 20 L/min. of hydrocarbon-free nitrogen per minute.

**Capacity**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC</td>
<td>24 g (as n-butane)</td>
</tr>
</tbody>
</table>

### Ultra-High Capacity Indicating Hydrocarbon Filter bundle for LC/MS

**Catalog No.** N9306825

**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>20 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Nitrogen</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>3 to 6 months</td>
</tr>
</tbody>
</table>

### Indicating Hydrocarbon

The high flow hydrocarbon trap is also available with AT indicator.

**Capacity**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC</td>
<td>24 g (as n-butane)</td>
</tr>
</tbody>
</table>

### Ultra-High Capacity Moisture Filter bundle for LC/MS

**Catalog No.** N9306824

**Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Gas Quality (%)</td>
<td>&gt; 99.9999</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>11 bar (160 psi)</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>20 L/min.</td>
</tr>
<tr>
<td>Usable For</td>
<td>Inert carrier gas, He, H2, N2, AR, Air</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24 cm x Ø 4.4 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.26 Kg</td>
</tr>
<tr>
<td>Estimated Lifetime</td>
<td>3 to 6 months</td>
</tr>
</tbody>
</table>

### Moisture Removal

High Flow moisture filters are ideal for central purifying solutions. Moisture in carrier gas lines will prematurely degrade oxygen and hydrocarbon traps and increase detector noise. As a precaution, we highly recommend installing a moisture trap before the hydrocarbon and oxygen traps on all carrier gas lines.

**Capacity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2O</td>
<td>7.2 g</td>
</tr>
</tbody>
</table>
## Ordering Information

### Ultra Clean Filter and Base plate Kits

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306829</td>
<td>Ultra Clean 1 Triple Filter Kit - ½” Brass Includes (1) 1 position base plate with ½” Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Trap</td>
<td>kit</td>
</tr>
<tr>
<td>N9306833</td>
<td>Ultra Clean 1 Triple Helium Specific Filter Kit - ½” Brass Includes (1) 1 position base plate with ½” Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Helium Specific Trap</td>
<td>kit</td>
</tr>
<tr>
<td>N9306837</td>
<td>Ultra Clean 1 Triple Hydrogen Specific Filter Kit - ½” Brass Includes (1) 1 position base plate with ½” Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Hydrogen Specific Trap</td>
<td>kit</td>
</tr>
<tr>
<td>N9306843</td>
<td>Ultra Clean 3 Filters Kit - ½” Brass Includes (1) 3 position base plate with ½” Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Trap and (2) Hydrocarbon/Moisture Traps</td>
<td>kit</td>
</tr>
</tbody>
</table>

* For ordering base plates or Ultra Clean Gas filter kits with a different connector type please check [www.perkinelmer.com/gcsupplies](http://www.perkinelmer.com/gcsupplies) for the correct part number.

### Ultra Clean Replacement Filter Bundles

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306826</td>
<td>Ultra Clean Filter Bundle of 3 Includes (1) Oxygen/Moisture/Hydrocarbon Trap and (2) Hydrocarbon/Moisture Traps</td>
<td>bundle</td>
</tr>
<tr>
<td>N9306827</td>
<td>Ultra Clean Filter Bundle of 4 Includes (1) Moisture Trap, (1) Oxygen Trap, and (2) Hydrocarbon Traps</td>
<td>bundle</td>
</tr>
</tbody>
</table>

### Ultra Clean Replacement Filters

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306814</td>
<td>Ultra Clean Moisture Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306815</td>
<td>Ultra Clean Oxygen Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306816</td>
<td>Ultra Clean Hydrocarbon Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306817</td>
<td>Ultra Clean Hydrocarbon AT Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306818</td>
<td>Ultra Clean Combi (Hydrocarbon/Moisture) Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306819</td>
<td>Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306821</td>
<td>Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) with AT indicator Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306820</td>
<td>Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Helium-specific Filter</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306822</td>
<td>Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Hydrogen-specific Filter</td>
<td>ea.</td>
</tr>
</tbody>
</table>

### Ultra Clean Filter Base plates

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306801</td>
<td>Ultra Clean Base plate 1 Position - ½” Brass</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306805</td>
<td>Ultra Clean Base plate 2 Position - ½” Brass</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306811</td>
<td>Ultra Clean Base plate 3 Position - ½” Brass</td>
<td>ea.</td>
</tr>
</tbody>
</table>

* For ordering base plates or Ultra Clean Gas filter kits with a different connector type please check [www.perkinelmer.com/gcsupplies](http://www.perkinelmer.com/gcsupplies) for the correct part number.
# Ordering Information

## Ultra Clean Base plate Flush Cap Replacement Set for GC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
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</thead>
<tbody>
<tr>
<td>N9306852</td>
<td>Ultra Clean Flush Cap Replacement Set</td>
<td>2-pk.</td>
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</table>

## Wall mounting Bracket for all Cartridge base plates

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306855</td>
<td>Ultra Clean Wall-mounting Bracket Set</td>
<td>ea.</td>
</tr>
</tbody>
</table>

## Replacement O-Rings for all Cartridge base plates

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306854</td>
<td>Ultra Clean Base plate O-ring Replacement Set</td>
<td>20-pk.</td>
</tr>
</tbody>
</table>

## Super Clean™ Base plate fittings for GC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306846</td>
<td>Ultra Clean Connector Set - ⅛” Brass</td>
<td>6-pk.</td>
</tr>
<tr>
<td>N9306847</td>
<td>Ultra Clean Connector Set - ⅛” Brass</td>
<td>6-pk.</td>
</tr>
<tr>
<td>N9306848</td>
<td>Ultra Clean Connector Set - ⅛” Stainless steel</td>
<td>6-pk.</td>
</tr>
<tr>
<td>N9306849</td>
<td>Ultra Clean Connector Set - ⅛” Stainless steel</td>
<td>6-pk.</td>
</tr>
</tbody>
</table>

## Ultra Clean Filter and Base plate Kits for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306840</td>
<td>Ultra Clean High Flow Hydrocarbon Filter Kit - ¼” Brass</td>
<td>kit</td>
</tr>
<tr>
<td></td>
<td>Includes (1) 2 position high flow base plate with ¼” Brass inlet/outlet fit-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tings, (2) High Flow Hydrocarbon Traps, and a ¼” Brass Particle Filter</td>
<td></td>
</tr>
</tbody>
</table>

* For ordering base plates or Ultra Clean Gas filter kits with a different connector type please check www.perkinelmer.com/gcsupplies for the correct part number.

## Ultra Clean Replacement Filter Bundles for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306823</td>
<td>Ultra Clean High Flow Hydrocarbon Filter Bundle</td>
<td>bundle</td>
</tr>
<tr>
<td></td>
<td>Includes (2) High Flow Hydrocarbon Traps</td>
<td></td>
</tr>
<tr>
<td>N9306825</td>
<td>Ultra Clean High Flow Hydrocarbon AT Filter Bundle</td>
<td>bundle</td>
</tr>
<tr>
<td></td>
<td>Includes (2) High Flow Indicating Hydrocarbon Traps</td>
<td></td>
</tr>
<tr>
<td>N9306824</td>
<td>Ultra Clean High Flow Moisture Filter Bundle</td>
<td>bundle</td>
</tr>
<tr>
<td></td>
<td>Includes (2) High Flow Moisture Traps</td>
<td></td>
</tr>
</tbody>
</table>

## Ultra Clean Base plate for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306808</td>
<td>Ultra Clean High Flow Base plate 2 Position - ¼” Brass</td>
<td>ea.</td>
</tr>
<tr>
<td></td>
<td>Includes ¼” Brass Particle Filter</td>
<td></td>
</tr>
</tbody>
</table>

* For ordering base plates or Ultra Clean Gas filter kits with a different connector type please check www.perkinelmer.com/gcsupplies for the correct part number.
# Ordering Information

## Particle Filter for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306856</td>
<td>Ultra Clean 0.5 Micron Particle Filter (1/4” Brass)</td>
<td>ea.</td>
</tr>
<tr>
<td>N9306857</td>
<td>Ultra Clean 0.5 Micron Particle Filter Cup Replacement Pack</td>
<td>12-pk.</td>
</tr>
</tbody>
</table>

## Ultra Clean Base plate fittings for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306850</td>
<td>Ultra Clean High Flow Connector Set - 1/4” Brass</td>
<td>6-pk.</td>
</tr>
<tr>
<td>N9306851</td>
<td>Ultra Clean High Flow Connector Set - 1/4” Stainless steel</td>
<td>6-pk.</td>
</tr>
</tbody>
</table>

## Ultra Clean Base plate Flush Cap Replacement Set for LC/MS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N9306853</td>
<td>Ultra Clean High Flow Flush Cap Replacement Set</td>
<td>2-pk.</td>
</tr>
</tbody>
</table>