

Click-On Inline Super-Clean™ Traps

Fast, simple changes of inline gas purifiers.





Click-On Inline Super-Clean™ Traps

- High-purity output ensures 99.9999% pure gas.
- Click-On fittings for easy, leak-tight cartridge changes; brass or stainless steel, 1/4" or 1/8".
- Helium-Specific Triple Trap is ideal for GC/MS.

Click-On Inline Super-Clean™ traps are the latest in in-line gas filtration. Click-On adaptor connectors allow traps 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 need for loosening and tightening fittings every time a trap is changed, and your system will not become contaminated during the process.

The Triple Trap is ideal for purifying carrier gas—it contains oxygen, moisture, and hydrocarbon scrubbers in one cartridge.

The Fuel Gas Trap is ideal for purifying flame ionization detector (FID) fuel gases, removing both moisture and hydrocarbons.

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

Trap replacement depends on the quality of the incoming gas. Use the double connector and install an indicating cartridge after a trap to indicate when the trap should be replaced.

| Trap Type | Gas Quality at Outlet | Maximum Pressure | Maximum Flow (L/min.) | Use For | Capacity | | | Estimated Lifetime (years) |
|-------------------------------------|-----------------------|------------------|-----------------------|---|----------------------|---------------------|------------------|----------------------------|
| | | | | | H ₂ O (g) | O ₂ (mL) | Hydrocarbons (g) | |
| Moisture cat.#22467 | >99.9999 | 11 bar 160psi | 25 | Inert carrier gas, helium, air, H ₂ | 21 | NA | NA | >3 |
| Oxygen cat.#22468 | >99.9999 | 11 bar 160psi | 25 | Inert carrier gas | NA | 3000 | NA | >3 |
| Hydrocarbon cat.#22466 | >99.9999 | 11 bar 160psi | 25 | Inert carrier gas, helium, air, H ₂ | NA | NA | 36 ³ | >3 |
| Fuel Gas ¹ cat.#22465 | >99.9999 | 11 bar 160psi | 25 | Inert carrier gas, helium, air, H ₂ | 10 | NA | 18 ³ | >2 |
| Triple ² cat.#22464 | >99.9999 | 11 bar 160psi | 25 | Inert carrier gas | 6 | 1000 | 12 ³ | >2 |

¹Removes hydrocarbons, moisture.

²Removes hydrocarbons, moisture, oxygen.

³As *n*-butane.

Note: Super-Clean™ Gas Filters are recommended for purifying noncorrosive gases with low concentrations of contaminants. For oxygen purifiers, the maximum concentration of oxygen in the incoming gas stream is 0.5%.

did you know?

Click-On connectors allow you to change traps quickly, without introducing oxygen into your system.



Click-On Inline Super-Clean™ Trap and Connector Kits

| Description | qty. | cat.# |
|---|------|-------|
| Carrier Gas Purification Kit, 1/4" Stainless Steel Includes (2) 1/8" SS connectors and (1) oxygen/moisture/hydrocarbon triple trap | kit | 22456 |
| Carrier Gas Purification Kit, 1/8" Brass Includes (2) 1/8" brass connectors and (1) oxygen/moisture/hydrocarbon triple trap | kit | 22457 |
| Carrier Gas Purification Kit, 1/4" Stainless Steel Includes (2) 1/4" SS connectors and (1) oxygen/moisture/hydrocarbon triple trap | kit | 22458 |
| Carrier Gas Purification Kit, 1/4" Brass Includes (2) 1/4" brass connectors and (1) oxygen/moisture/hydrocarbon triple trap | kit | 22459 |
| Fuel Gas Purification Kit, 1/8" Stainless Steel Includes (4) 1/8" SS connectors and (2) hydrocarbon/moisture traps | kit | 22460 |
| Fuel Gas Purification Kit, 1/8" Brass Includes (4) 1/8" brass connectors and (2) hydrocarbon/moisture traps | kit | 22461 |
| Fuel Gas Purification Kit, 1/4" Stainless Steel Includes (4) 1/4" SS connectors and (2) hydrocarbon/moisture traps | kit | 22462 |
| Fuel Gas Purification Kit, 1/4" Brass Includes (4) 1/4" brass connectors and (2) hydrocarbon/moisture traps | kit | 22463 |



Replacement Click-On Inline Super-Clean™ Traps

| Description | qty. | cat.# |
|--|------|-------|
| Replacement Click-On Super-Clean™ Triple Trap (removes oxygen, moisture and hydrocarbons) | ea. | 22464 |
| Replacement Click-On Super-Clean™ Fuel Gas Trap (removes moisture and hydrocarbons) | ea. | 22465 |



Click-On Inline Super-Clean™ Ultra-High Capacity Traps

| Description | qty. | cat.# |
|--------------------------------------|------|-------|
| Ultra-High Capacity Hydrocarbon Trap | ea. | 22466 |
| Ultra-High Capacity Moisture Trap | ea. | 22467 |
| Ultra-High Capacity Oxygen Trap | ea. | 22468 |



Helium-Specific Click-On Inline Super-Clean™ Trap and Kits

| Description | qty. | cat.# |
|---|------|-------|
| Kits | | |
| Helium-Specific Carrier Gas Cleaning Kit, 1/8" Stainless Steel Includes (2) 1/8" SS connectors and (1) oxygen/moisture/hydrocarbon Helium-Specific Triple Trap | kit | 22469 |
| Helium-Specific Carrier Gas Cleaning Kit, 1/8" Brass Includes (2) 1/8" brass connectors and (1) oxygen/moisture/hydrocarbon Helium-Specific Triple Trap | kit | 22470 |
| Helium-Specific Carrier Gas Cleaning Kit, 1/4" Stainless Steel Includes (2) 1/4" SS connectors and (1) oxygen/moisture/hydrocarbon Helium-Specific Triple Trap | kit | 22471 |
| Helium-Specific Carrier Gas Cleaning Kit, 1/4" Brass Includes (2) 1/4" brass connectors and (1) oxygen/moisture/hydrocarbon Helium-Specific Triple Trap | kit | 22472 |
| Replacement Trap | | |
| Replacement Helium-Specific Triple Trap (removes oxygen, moisture and hydrocarbons) | ea. | 22473 |

did you **know?**

Helium-Specific Click-On Inline Super-Clean™ traps and kits are designed specifically for purifying helium in GC/MS systems!



Click-On Inline Super-Clean™ Indicator

- Indicator color change: oxygen: green to grey; moisture: beige to clear

| Description | qty. | cat.# |
|---|------|-------|
| Click-On Inline Super-Clean™ Indicator (oxygen, moisture plus adsorbents and hydrocarbons) | ea. | 22474 |

Click-On Inline Super-Clean™ Connectors

| Description | qty. | cat.# |
|--|-------|-------|
| 1/8" Brass Click-On Inline Super-Clean™ Connectors | 2-pk. | 22475 |
| 1/8" Stainless Steel Click-On Inline Super-Clean™ Connectors | 2-pk. | 22476 |
| 1/4" Brass Click-On Inline Super-Clean™ Connectors | 2-pk. | 22477 |
| 1/4" Stainless Steel Click-On Inline Super-Clean™ Connectors | 2-pk. | 22478 |

Click-On Inline Super-Clean™ Double Connector

- Connects any Click-On trap to a Click-On indicator.

| Description | qty. | cat.# |
|---|------|-------|
| Click-On Inline Super-Clean™ Double Connector, stainless steel (connects trap and indicator) | ea. | 22479 |

Wall-Mounting Clamps for Click-On Inline Super-Clean™ Traps

| Description | qty. | cat.# |
|---|-------|-------|
| Wall-Mounting Clamps for Click-On Inline Super-Clean™ Traps | 4-pk. | 22480 |

Replacement O-Rings for Click-On Inline Super-Clean™ Connectors

| Description | qty. | cat.# |
|---|--------|-------|
| Replacement O-Rings for Click-On Inline Super-Clean™ Connectors | 10-pk. | 22481 |



tech tip

Install an indicator after the Click-On Inline Super-Clean™ trap so there is no confusion about when to replace the traps.



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