

Super Clean™ Gas Filters

BASE PLATE FILTERS



EP-B-0606960
U.S. Patent 5,478,378



2015
WWW.SGT-NL.COM

- 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

ABOUT SUPER 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

WHY GAS PURITY IS IMPORTANT

Carrier gas should contain less than 1 ppm 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.

GAS FILTER SYSTEM COMPONENTS



Base plate

Connecting unit with in- and outlet connectors for the gas line and two spring-loaded check valves that automatically start the flow of gas once is filter is installed.



Universal Ring Nut

The Universal Ring Nut is used for mounting a filter cartridge or flush-cap to a base plate. It can also serve as a mounting point for the Electronic Maintenance Indicator device.



Filter Cartridge

The filter cartridges are made of glass to prevent diffusion, and protected by a plastic housing for safety. The PTFE seals at the base of the Filter will only be punctured during installation on the base plate.



Electronic Indicator

Optional Electronic Maintenance Indicator device warns when scheduled replacement or maintenance is due.



Wall mount bracket set

Optional wall mounting brackets to mount a Base plate on a wall.

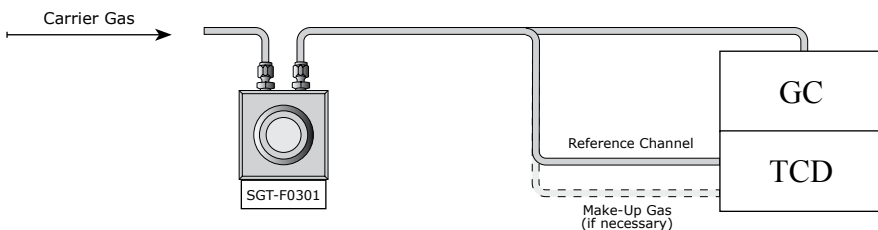


GC / MS (ITD/MSD)



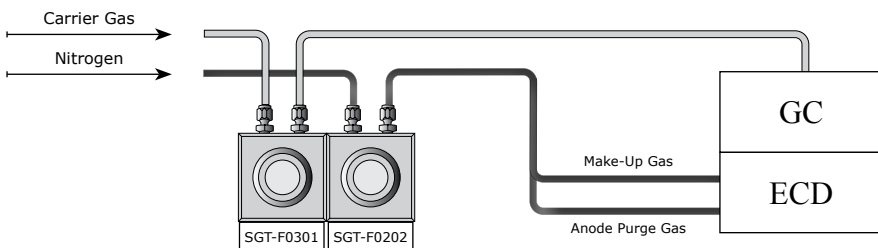
Product	Part No.	Qty
Triple Filter	SGT-F0301	1
1 Position Base plate	SGT-B0010-XX	1

GC / TCD



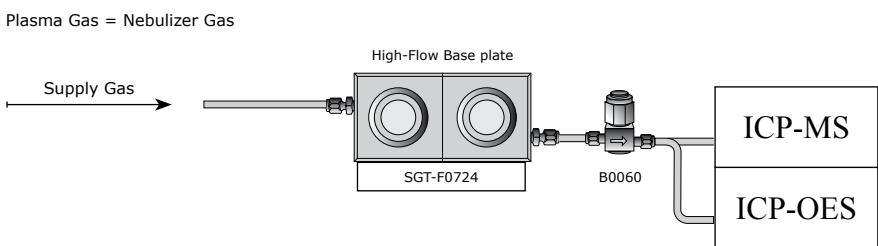
Product	Part No.	Qty
Triple Filter	SGT-F0301	1
1 Position Base plate	SGT-B0010-XX	1

GC / ECD



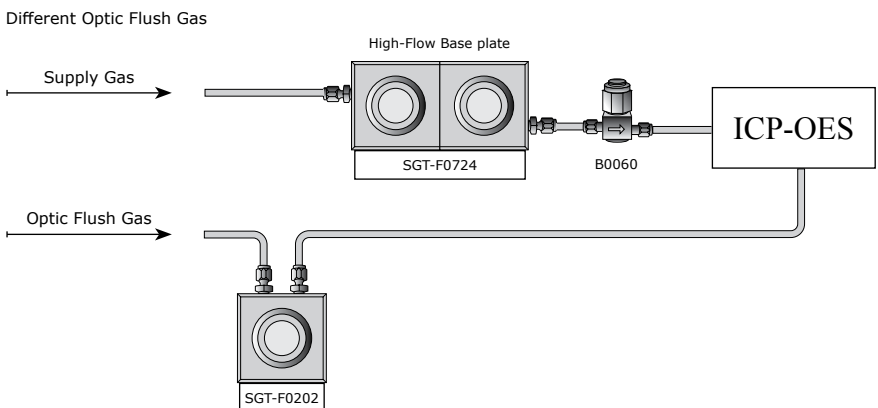
Product	Part No.	Qty
Triple Filter	SGT-F0301	1
Oxygen/Moisture Filter	SGT-F0202	1
2 Position Base plate	SGT-B0020-XX	1

ICP-OES / ICP-MS



Product	Part No.	Qty
High Flow Oxygen/Moisture Filter Bundle	SGT-F0724	1
Particle Filter	B0060	1
High Flow Base plate	SGT-B0021-XX	1

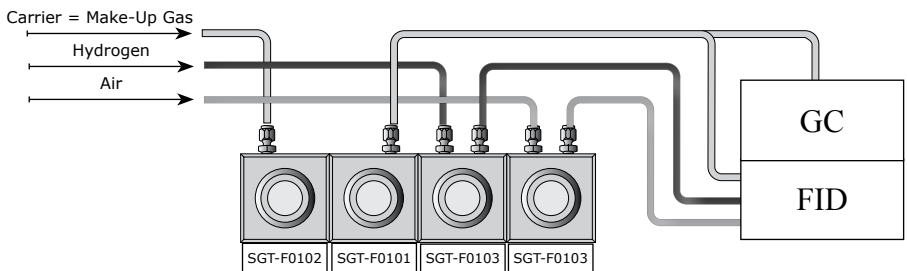
ICP-OES



Product	Part No.	Qty
High Flow Oxygen/Moisture Filter Bundle	SGT-F0724	1
Oxygen/Moisture Filter	SGT-F0202	1
Particle Filter	B0060	1
High Flow Base plate	SGT-B0021-XX	1
1 Position Base plate	SGT-B0010-XX	1

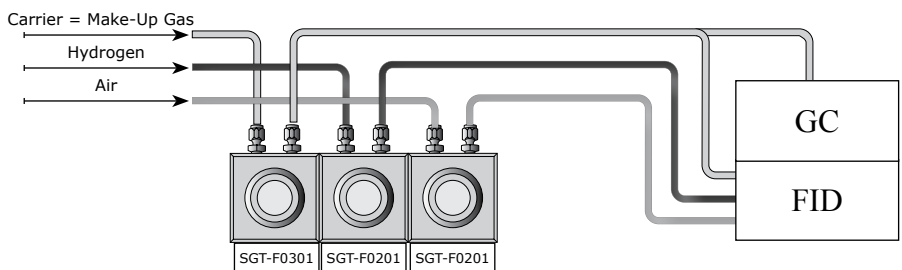
GC / FID

GC/FID Solution 1 (Carrier Gas = Make-Up Gas)



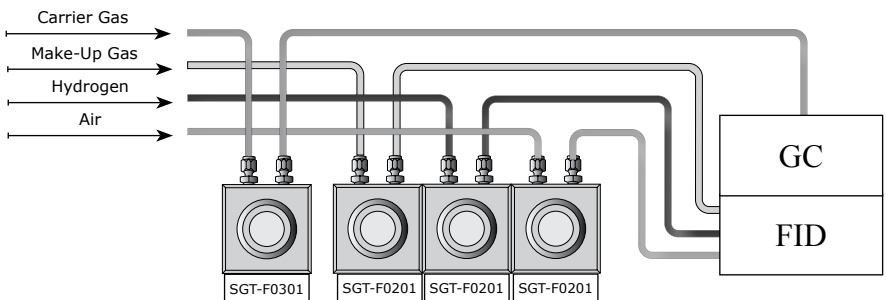
Product	Part No.	Qty
Oxygen Filter	SGT-F0102	1
Moisture Filter	SGT-F0101	1
Hydrocarbon Filter	SGT-F0103	2
4 Position Base plate	SGT-B0040-XX	1

GC/FID Solution 2 (Carrier Gas = Make-Up Gas)



Product	Part No.	Qty
Triple Filter	SGT-F0301	1
Hydrocarbon/Moisture Filter	SGT-F0201	2
3 Position Base plate	SGT-B0030-XX	1

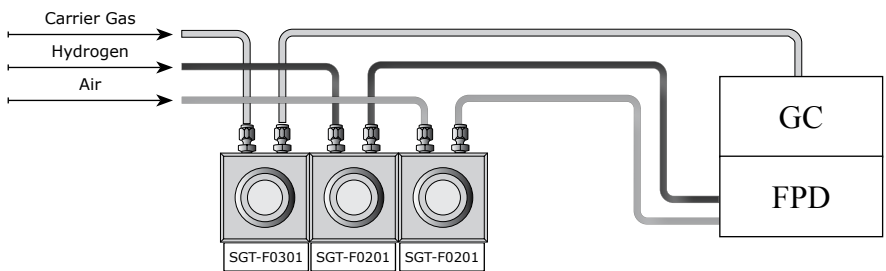
GC/FID Solution 3 (Carrier Gas differs from Make-Up Gas)



Product	Part No.	Qty
Triple Filter	SGT-F0301	1
1 Position Base plate	SGT-B0010-XX	1

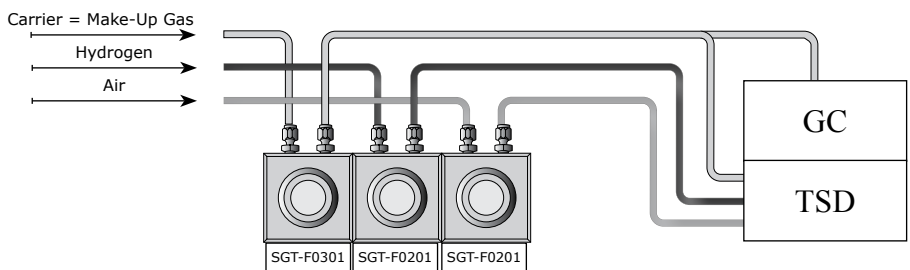
Product	Part No.	Qty
Hydrocarbon/Moisture Filter	SGT-F0201	3
3 Position Base plate	SGT-B0030-XX	1

GC (FPD/PFPD)



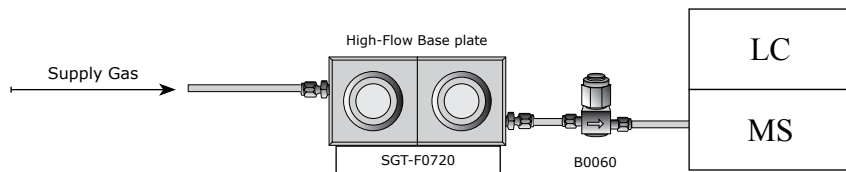
Product	Part No.	Qty
Triple Filter	SGT-F0301	1
Hydrocarbon/Moisture Filter	SGT-F0201	2
3 Position Base plate	SGT-B0030-XX	1

GC (TSD/TID/NPD/PND)

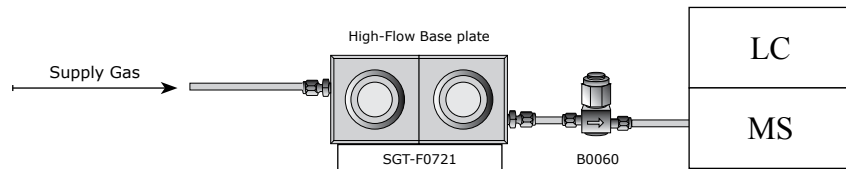


Product	Part No.	Qty
Triple Filter	SGT-F0301	1
Hydrocarbon/Moisture Filter	SGT-F0201	2
3 Position Base plate	SGT-B0030-XX	1

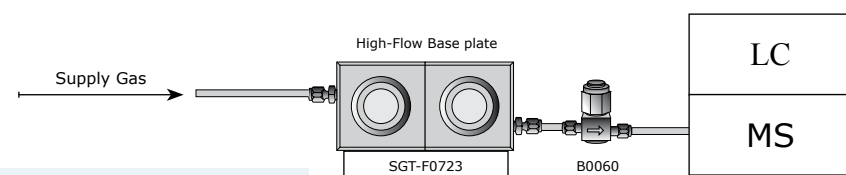
LC/MS



Product	Part No.	Qty
High Flow Hydrocarbon Filter Bundle	SGT-F0720	1
Particle Filter	B0060	1
High Flow Base plate	SGT-B0021-XX	1

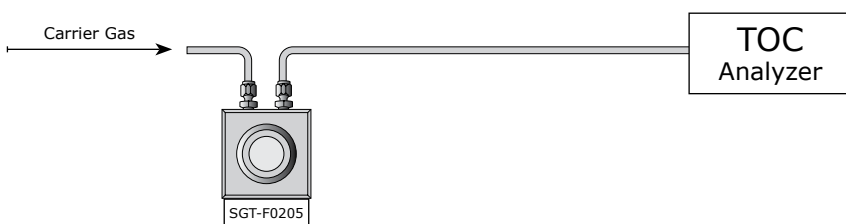


Product	Part No.	Qty
High Flow Moisture Filter Bundle	SGT-F0721	1
Particle Filter	B0060	1
High Flow Base plate	SGT-B0021-XX	1

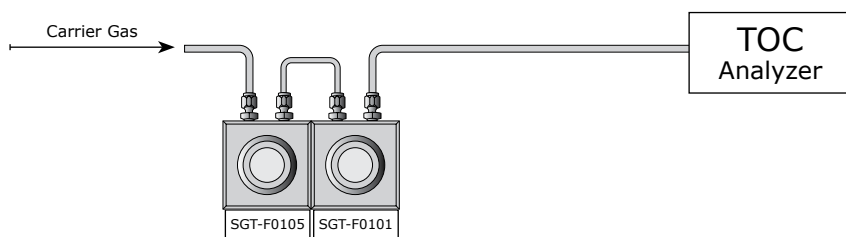


Product	Part No.	Qty
High Flow Hydrocarbon/Moisture Filter Bundle	SGT-F0723	1
Particle Filter	B0060	1
High Flow Base plate	SGT-B0021-XX	1

TOC Analyzer

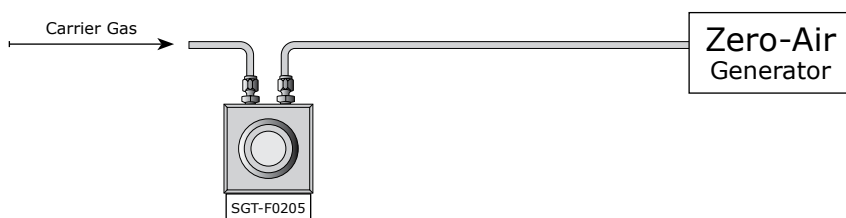


Product	Part No.	Qty
CO ₂ / Moisture Filter	SGT-F0205	1
1 Position Base plate	SGT-B0010-XX	1

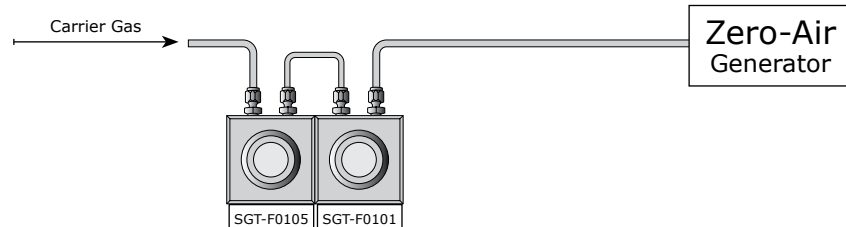


Product	Part No.	Qty
CO ₂ Filter	SGT-F0105	1
Moisture Filter	SGT-F0101	1
2 Position Base plate	SGT-B0020-XX	1

Zero-Air Generator



Product	Part No.	Qty
CO ₂ / Moisture Filter	SGT-F0205	1
1 Position Base plate	SGT-B0010-XX	1



Product	Part No.	Qty
CO ₂ Filter	SGT-F0105	1
Moisture Filter	SGT-F0101	1
2 Position Base plate	SGT-B0020-XX	1

Catalog No. *	SGT-B1010-B8 SGT-B1011-B8 (Helium) SGT-B1012-B8 (Hydrogen)
Usable for	Benefit
GC/MS	Higher data accuracy and less maintenance
GC/ECD	Greater sensitivity
GC/TCD	Greater sensitivity and less maintenance



TRIPLE FILTER KIT

The triple combination filter kit is ideal for purifying GC/MS carrier gases. It contains oxygen, moisture and hydrocarbon scrubbers in one easy to change economical cartridge.

Catalog No. *	SGT-B1015-B8
Usable for	Benefit
GC/TCD	Greater sensitivity and less maintenance



COMBI (OXYGEN/MOISTURE) KIT

The oxygen/moisture combination filter kit is ideal for purifying GC/ECD carrier gases. It contains oxygen and moisture scrubbers in one easy to change economical cartridge.

Catalog No. *	SGT-B1014-B8
Usable for	Benefit
TOC Analyzer	Greater sensitivity
Zero-Air generator	Cleaner gas



COMBI (CO₂/MOISTURE) FILTER KIT

The carbon dioxide/moisture combination filter kit is ideal for TOC analysers and Zero-Air generators. It removes both carbon dioxide and moisture from gas streams.

Catalog No. *	SGT-B1030-B8
Usable for	Benefit
GC/FID	Greater sensitivity



3 POSITION KIT

The FID Filter kit is the perfect all-in-one solution for purifying flame ionization detector (FID) fuel gases together with the carrier gas.

This kit removes hydrocarbons, moisture and oxygen from the carrier gas and removes both moisture and hydrocarbons from the Hydrogen and Air fuel gases.

Catalog No. *	SGT-B1040-B8
Usable for	Benefit
GC/FID	Greater sensitivity



4 POSITION KIT

The high capacity FID Filter kit is the perfect all-in-one solution for purifying flame ionization detector (FID) fuel gases together with the carrier gas.

This kit removes both moisture and oxygen from the carrier gas and removes hydrocarbons from the Hydrogen and Air fuel gases.

* Standard fittings are 1/8" Brass. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings. To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

Catalog No. *	SGT-B1020-B8
Usable for	Benefit
FID	Greater sensitivity



COMBI (MOISTURE/HYDRO-CARBON) FILTERS KIT

The Fuel Gas Filter kit 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.

Catalog No. **	SGT-B1021-B4
Usable for	Benefit
LC/MS	Greater sensitivity



HIGH FLOW HYDROCARBON KIT

Up to 20 Liter of hydrocarbon-free nitrogen per minute with this LC/MS High Flow Kit.

Catalog No. **	SGT-B1022-B4
Usable for	Benefit
LC/MS	Greater sensitivity



HIGH FLOW MOISTURE KIT

Up to 20 Liter of moisture-free nitrogen per minute with this LC/MS High Flow Kit.

Catalog No. **	SGT-B1023-B4
Usable for	Benefit
LC/MS	Greater sensitivity



HIGH FLOW COMBI (HYDROCARBON/MOISTURE) KIT

Removes Moisture and Hydrocarbons from high flow gas streams.

Catalog No. **	SGT-B1024-B4
Usable for	Benefit
ICP-MS	Greater sensitivity
ICP-OES	Greater sensitivity



HIGH FLOW COMBI (OXYGEN/MOISTURE) KIT

Removes Oxygen and Moisture from high flow gas streams.

* Standard fittings are 1/8" Brass. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings. To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

** Standard fittings are 1/4" Brass. All Kits are available in 1/4" Brass and Stainless steel fittings. To order, replace Part No. suffix into '-S4' for 1/4" Stainless steel fittings.

Catalog No.	SGT-F0101
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 FILTER

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	
H₂O	7.2 g

Catalog No.	SGT-F0102
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
Dimensions	24 cm x Ø 4.4 cm
Weight	0.26 Kg
Estimated Lifetime	> 2 years



OXYGEN FILTER

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.

Capacity	
O₂	150 mL

Catalog No.	SGT-F0103
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



HYDROCARBON FILTER

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.

Capacity	
HC	12 g (as <i>n</i> -butane)

Catalog No.	SGT-F0105
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



CARBON DIOXIDE FILTER

Removes carbon dioxide and sulfur from gas streams. To be used in combination with a Moisture Filter.

Capacity	
CO₂	12 g

Catalog No. SGT-F0201

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



COMBI (HYDROCARBON/ MOISTURE) 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.

Capacity	
H ₂ O	3.5 g
HC	6 g (as <i>n</i> -butane)

Catalog No. SGT-F0202

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
Dimensions	24 cm x Ø 4.4 cm
Weight	0.26 Kg
Estimated Lifetime	> 2 years



COMBI (OXYGEN/MOISTURE) FILTER

This Combi trap is ideal for purifying carrier gas. It contains oxygen and moisture scrubbers in one easy to change economical cartridge.

Capacity	
H ₂ O	3.5 g
O ₂	75 mL

Catalog No. SGT-F0205

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



COMBI (CARBON DIOXIDE/ MOISTURE) FILTER

Removes carbon dioxide, sulfur and moisture from gas streams.

Capacity	
H ₂ O	3.5 g
CO ₂	6 g

Catalog No. SGT-F0301
 SGT-F0302 (Helium Specific)
 SGT-F0304 (Hydrogen Specific)

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
Dimensions	24 cm x Ø 4.4 cm
Weight	0.26 Kg
Estimated Lifetime	> 2 years



TRIPLE (OXYGEN/MOISTURE/ HYDROCARBON) 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	
H ₂ O	1.8 g
O ₂	75 mL
HC	4 g (as <i>n</i> -butane)

Catalog No.	SGT-F0720
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min.
Usable For	Nitrogen
Dimensions	24 cm x Ø 4.4 cm
Weight	0.5 Kg
Estimated Lifetime	3 to 6 months



HIGH FLOW HYDROCARBON FILTER BUNDLE

Up to 20 Liter of hydrocarbon-free nitrogen per minute. To be used in combination with a high flow base plate.

Capacity	
HC	24 g (as <i>n</i> -butane)

Catalog No.	SGT-F0721
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	24 cm x Ø 4.4 cm
Weight	0.5 Kg
Estimated Lifetime	3 to 6 months



HIGH FLOW MOISTURE FILTER BUNDLE

Removes moisture from high flow gas streams. To be used in combination with a high flow base plate.

Capacity	
H₂O	14.4 g

Catalog No.	SGT-F0723
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	24 cm x Ø 4.4 cm
Weight	0.5 Kg
Estimated Lifetime	3 to 6 months



HIGH FLOW COMBI (HYDRO-CARBON/MOISTURE) FILTER BUNDLE

Removes Moisture and Hydrocarbons from high flow gas streams. To be used in combination with a high flow base plate.

Capacity	
HC	12 g (as <i>n</i> -butane)
H₂O	7.2 g

Catalog No.	SGT-F0724
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	24 cm x Ø 4.4 cm
Weight	0.5 Kg
Estimated Lifetime	3 to 6 months



HIGH FLOW COMBI (OXYGEN/MOISTURE) FILTER BUNDLE

Removes Oxygen and Moisture from high flow gas streams. To be used in combination with a high flow base plate.

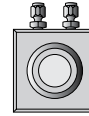
Capacity	
H₂O	7.2 g
O₂	150 mL

Catalog No.	Fitting Type
SGT-B0010-B8	1/8" Brass
SGT-B0010-B4	1/4" Brass
SGT-B0010-S8	1/8" SS
SGT-B0010-S4	1/4" SS



1 POSITION BASE PLATE

Single position base plate

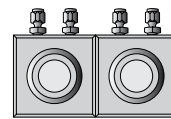


Catalog No.	Fitting Type
SGT-B0020-B8	1/8" Brass
SGT-B0020-B4	1/4" Brass
SGT-B0020-S8	1/8" SS
SGT-B0020-S4	1/4" SS



2 POSITION BASE PLATE

Double position base plate

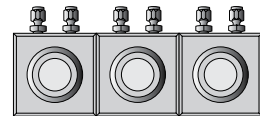


Catalog No.	Fitting Type
SGT-B0030-B8	1/8" Brass
SGT-B0030-B4	1/4" Brass
SGT-B0030-S8	1/8" SS
SGT-B0030-S4	1/4" SS



3 POSITION BASE PLATE

Three position base plate

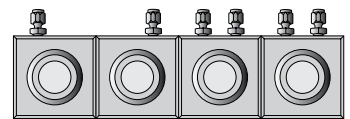


Catalog No.	Fitting Type
SGT-B0040-B8	1/8" Brass
SGT-B0040-B4	1/4" Brass
SGT-B0040-S8	1/8" SS
SGT-B0040-S4	1/4" SS



4 POSITION BASE PLATE

Four position base plate

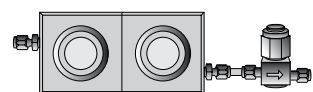


Catalog No.	Fitting Type
SGT-B0021-B4	1/4" Brass
SGT-B0021-S4	1/4" SS



HIGH FLOW BASE PLATE

High Flow double position base plate (in parallel)



Catalog No.	Clip Type
SGT-E0040	Filter Cartridge Clip
SGT-E0010	Universal Ring Nut Clip
Usable for	
All base plates with Universal Ring Nut	



ELECTRONIC INDICATOR

Electronic Maintenance Indicator device warns when scheduled filter replacement or base plate maintenance is due.

Catalog No.	B0140
Usable for	
All base plates	



UNIVERSAL RING NUT

Universal Ring Nut to mount a filter or flush-cap on a base plate.

Catalog No.	B0110
Usable for	
All base plates	



O-RING REPLACEMENT SET

A set of 10 + 10 replacement O-rings for replacing the O-rings on the in- and outlet valves on a base plate.

Catalog No.	B0050
Usable for	
All base plates	



WALL-MOUNT BRACKET SET

Wall mounting brackets to mount a Base plate on a wall.

Catalog No.	B0130
Usable for	
All base plates	



UNIVERSAL FLUSH-CAP SET

Flush-cap that mounts on a base plate, and allows the gas to pass through the base plate without a filter attached.

Catalog No.	Connection Type
B0120	1/4" Brass
B0121	1/8" Brass
B0122	1/4" SS
B0123	1/8" SS
Usable for	
1, 2, 3 and 4 position base plates	



STANDARD BASE PLATE CONNECTOR SET

Replacement connectors for standard base plates.

Catalog No.	Connection Type
B0124	1/4" Brass
B0125	1/4" SS
Usable for	
High flow base plates	



HIGH FLOW BASE PLATE CONNECTOR SET

Replacement connector for high flow base plates.

Catalog No.	Description
B0060	0.5 Micron Particle Filter (1/4" Brass)
B0065	0.5 Micron Particle Filter Cup Replacement Pack



PARTICULATE FILTER

Particulate filter for high flow base plates.

Installation Kits

Part No. *	Description	qty.
SGT-B1010-B8	SGT 1 Triple Filter Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Trap	ea.
SGT-B1011-B8	SGT 1 Triple Helium Specific Filter Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Helium Specific Trap	ea.
SGT-B1012-B8	SGT 1 Triple Hydrogen Specific Filter Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Hydrogen Specific Trap	ea.
SGT-B1013-B8	SGT Co2 Filter Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Carbon dioxide Trap	ea.
SGT-B1014-B8	SGT Combi (Co2/Moisture) Filter Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Carbon dioxide/Moisture Trap	ea.
SGT-B1015-B8	SGT Combi (Oxygen/Moisture) Kit - 1/8" Brass Includes (1) 1 position base plate with 1/8" Brass inlet/outlet fittings and (1) Oxygen/Moisture Trap	ea.
SGT-B1020-B8	SGT 2 Combi Filters Kit - 1/8" Brass Includes (1) 2 position base plate with 1/8" Brass inlet/outlet fittings and (2) Hydrocarbon/Moisture Traps	ea.
SGT-B1030-B8	SGT 3 Filters Kit - 1/8" Brass Includes (1) 3 position base plate with 1/8" Brass inlet/outlet fittings and (1) Oxygen/Moisture/Hydrocarbon Trap and (2) Hydrocarbon/Moisture Traps	ea.
SGT-B1040-B8	SGT 4 Filters Kit - 1/8" Brass Includes (1) 4 position base plate with 1/8" Brass inlet/outlet fittings and (1) Moisture Trap, (1) Oxygen Trap, and (2) Hydrocarbon Traps	ea.

High Flow Installation Kits

Part No. **	Description	qty.
SGT-B1021-B4	SGT High Flow Hydrocarbon Filter Kit - 1/4" Brass Includes (1) 2 position high flow base plate with 1/4" Brass inlet/outlet fittings, (2) High Flow Hydrocarbon Traps, and a 1/4" Brass Particle Filter	ea.
SGT-B1022-B4	SGT High Flow Moisture Filter Kit - 1/4" Brass Includes (1) 2 position high flow base plate with 1/4" Brass inlet/outlet fittings, (2) High Flow Moisture Traps, and a 1/4" Brass Particle Filter	ea.
SGT-B1023-B4	SGT High Flow Combi (Hydrocarbon/Moisture) Filter Kit - 1/4" Brass Includes (1) 2 position high flow base plate with 1/4" Brass inlet/outlet fittings, (2) High Flow Combi (Hydrocarbon/Moisture) Traps, and a 1/4" Brass Particle Filter	ea.
SGT-B1024-B4	SGT High Flow Combi (Oxygen/Moisture) Filter Kit - 1/4" Brass Includes (1) 2 position high flow base plate with 1/4" Brass inlet/outlet fittings, (2) High Flow Combi (Oxygen/Moisture) Traps, and a 1/4" Brass Particle Filter	ea.

* Standard fittings are 1/8" Brass. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings. To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

** Standard fittings are 1/4" Brass. All Kits are available in 1/4" Brass and Stainless steel fittings. To order, replace Part No. suffix into '-S4' for 1/4" Stainless steel fittings.

Replacement Filters

Part No.	Description	qty.
SGT-F0101	SGT Moisture Filter	ea.
SGT-F0102	SGT Oxygen Filter	ea.
SGT-F0103	SGT Hydrocarbon Filter	ea.
SGT-F0105	SGT Carbon dioxide Filter	ea.
SGT-F0201	SGT Combi (Hydrocarbon/Moisture) Filter	ea.
SGT-F0202	SGT Combi (Oxygen/Moisture) Filter	ea.
SGT-F0205	SGT Combi (Carbon dioxide/Moisture) Filter	ea.
SGT-F0301	SGT Triple (Oxygen/Moisture/Hydrocarbon) Filter	ea.
SGT-F0302	SGT Triple (Oxygen/Moisture/Hydrocarbon) Helium-specific Filter	ea.
SGT-F0304	SGT Triple (Oxygen/Moisture/Hydrocarbon) Hydrogen-specific Filter	ea.

Replacement Filter Bundles

Part No.	Description	qty.
SGT-F0730	SGT Filter Bundle of 3 Includes (1) Oxygen/Moisture/Hydrocarbon Trap and (2) Hydrocarbon/Moisture Traps	ea.
SGT-F0740	SGT Filter Bundle of 4 Includes (1) Moisture Trap, (1) Oxygen Trap, and (2) Hydrocarbon Traps	ea.

High Flow Replacement Filter Bundles

Part No.	Description	qty.
SGT-F0720	SGT High Flow Hydrocarbon Filter Bundle Includes (2) High Flow Hydrocarbon Filters	ea.
SGT-F0721	SGT High Flow Moisture Filter Bundle Includes (2) High Flow Moisture Filters	ea.
SGT-F0723	SGT High Flow Combi (Hydrocarbon/Moisture) Filter Bundle Includes (2) High Flow Combi (Hydrocarbon/Moisture) Filters	ea.
SGT-F0724	SGT High Flow Combi (Oxygen/Moisture) Filter Bundle Includes (2) High Flow Combi (Oxygen/Moisture) Filters	ea.

Base plates

Part No. *	Description	qty.
SGT-B0010-B8	SGT Base plate 1 Position - 1/8" Brass	ea.
SGT-B0020-B8	SGT Base plate 2 Position - 1/8" Brass	ea.
SGT-B0030-B8	SGT Base plate 3 Position - 1/8" Brass	ea.
SGT-B0040-B8	SGT Base plate 4 Position - 1/8" Brass	ea.

High Flow Base plates

Part No. **	Description	qty.
SGT-B0021-B4	SGT High Flow Base plate 2 Position - 1/4" Brass Includes 1/4" Brass Particle Filter	ea.

* Standard fittings are 1/8" Brass. All base plate are available in 1/4" to 1/8" Brass and Stainless steel fittings.
To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

** Standard fittings are 1/4" Brass. All high flow base plates are available in 1/4" Brass and Stainless steel fittings.
To order, replace Part No. suffix into '-S4' for 1/4" Stainless steel fittings.

Electronic Maintenance Indicator

Part No.	Description	qty.
SGT-E0010	Electronic Maintenance Indicator Kit for Universal Ring Nut For use with Universal Ring Nut. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.	ea.
SGT-E0040	Electronic Maintenance Indicator Kit for Super Clean Gas Filters For use with Super Clean Gas Filters. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.	ea.
B0140	Universal Ring Nut	ea.

Replacement O-Rings for all Cartridge base plates

Part No.	Description	qty.
B0110	Base plate O-ring Replacement Set	20/pk.

Wall mounting Bracket for all Cartridge base plates

Part No.	Description	qty.
B0050	Wall-mounting Bracket Set	ea.

Base plate Flush Cap Replacement Set

Part No.	Description	qty.
B0130	Universal Flush Cap Replacement Set Compatible with normal and high flow base plates	2-pk.

Base plate fittings

Part No.	Description	qty.
B0120	Connector Set - 1/4" Brass	6/pk
B0121	Connector Set - 1/8" Brass	6/pk
B0122	Connector Set - 1/4" Stainless steel	6/pk.
B0123	Connector Set - 1/8" Stainless steel	6/pk.

High Flow Base plate fittings

Part No.	Description	qty.
B0124	High Flow Connector Set - 1/4" Brass	6/pk.
B0125	High Flow Connector Set - 1/4" Stainless steel	6/pk.

Particle Filter for High flow Base plates

Part No.	Description	qty.
B0060	0.5 Micron Particle Filter (1/4" Brass)	ea.
B0065	0.5 Micron Particle Filter Cup Replacement Pack	12/pk.



Management
System
ISO 9001:2008

www.tuv.com
ID 9108620930



Super Clean™ Gas Filters

CLICK-ON INLINE FILTERS



EP-B 04774871.0
U.S. Patent Pending 10/567,949



2015
WWW.SGT-NL.COM

- Ultra-high capacity
- High-purity output ensures 99.9999% Pure gas
- Click-On fittings for easy, leak-tight cartridge changes
- Glass inside to prevent diffusion, plastic outside for safety
- Easy to read indicators

ABOUT CLICK-ON INLINE TRAPS

Click-On Inline Super-Clean™ Traps are inline traps designed with Click-On adaptor connectors which allows inline 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 need for loosening and tightening fittings every time a trap is changed and your system will not become contaminated during the process.

WHY GAS PURITY IS IMPORTANT

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.

CLICK-ON INLINE TRAP SYSTEM COMPONENTS



Click-On Connectors

Re-usable In- and outlet adapter connectors which allows inline cartridges to be exchanged without introducing contaminants.

Spring loaded check valves seal when a filter is removed and open only when a new filter has been locked in place.



Click-On Inline Trap

The Click-On Inline Traps are made out of stainless steel, or out of glass with a protective plastic cover.

The seals at each side of the trap will only be punctured when the Click-On connector is locked in place.



Wall Mount Clamps

Optional wall mounting clamps to mount an Click-On Inline trap to a wall or surface.

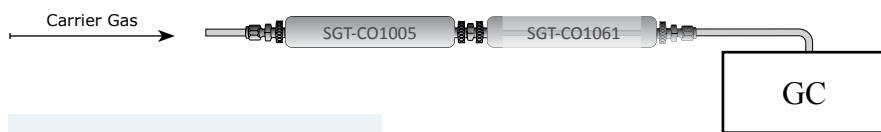


Electronic Indicator

Optional Electronic Maintenance Indicator device warns when scheduled replacement or maintenance is due.

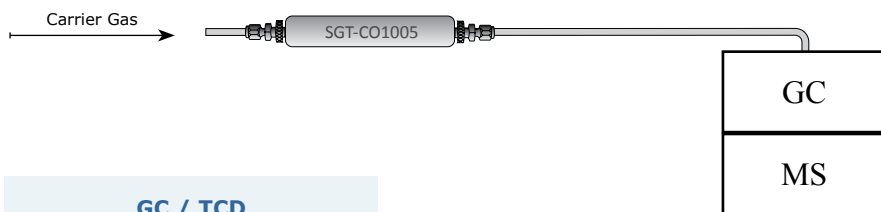


Optional Indicator for Carrier Gas Lines



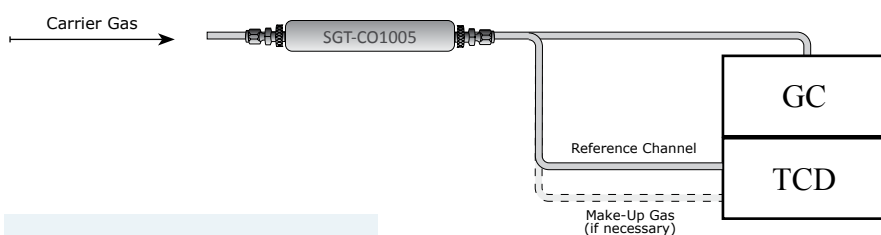
GC / MS (ITD/MSD)

Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Glass Triple Indicator	SGT-CO1061	1
Click-On Connector Set	**	1
Click-On Double Connector	CO2020	1



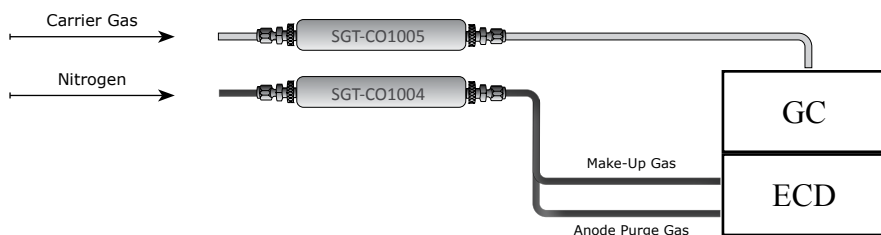
GC / TCD

Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Connector Set	**	1



GC / ECD

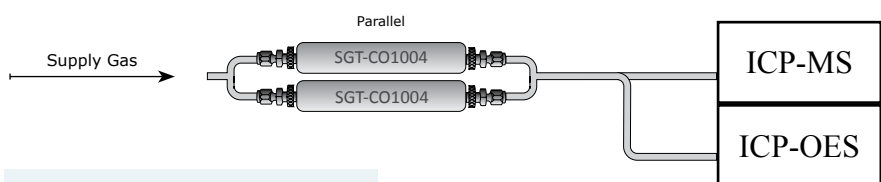
Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Connector Set	**	1



Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Oxygen/Moisture Trap	SGT-CO1004	1
Click-On Connector Set	**	2

ICP-OES / ICP-MS

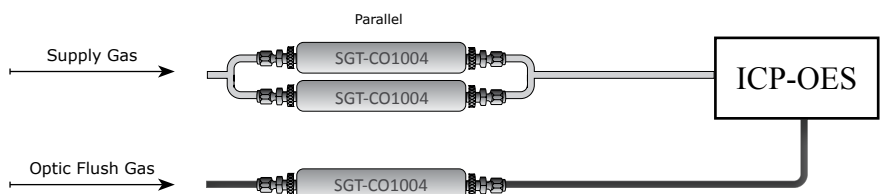
Plasma Gas = Nebulizer Gas



ICP-OES

Product	Part No.	Qty
Click-On Oxygen/Moisture Trap	SGT-CO1004	2
Click-On Connector Set	**	2

Different Optic Flush Gas



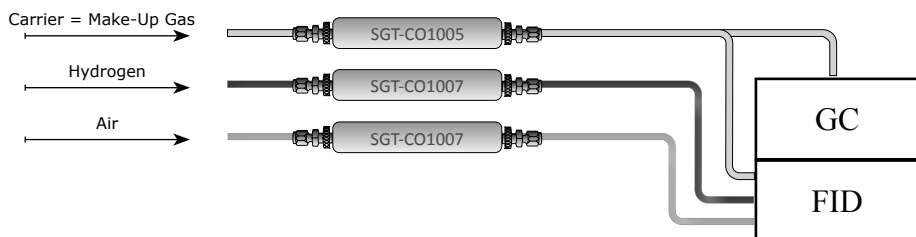
Product	Part No.	Qty
Click-On Oxygen/Moisture Trap	SGT-CO1004	3
Click-On Connector Set	**	3

* SGT-CO1006 - Helium Specific
* SGT-CO1008 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
** CO2001 - Click-On Connector Set 1/4" Brass
** CO2011 - Click-On Connector Set 1/8" Stainless Steel
** CO2010 - Click-On Connector Set 1/4" Stainless Steel

GC / FID

GC/FID Solution 1 (Carrier Gas = Make-Up Gas)



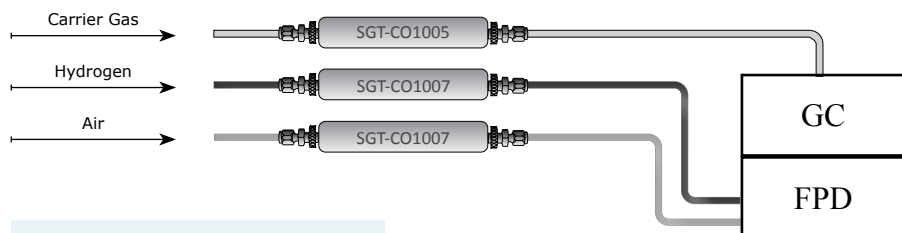
Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1007	2
Click-On Connector Set	**	3

GC/FID Solution 2 (Carrier Gas differs from Make-Up Gas)



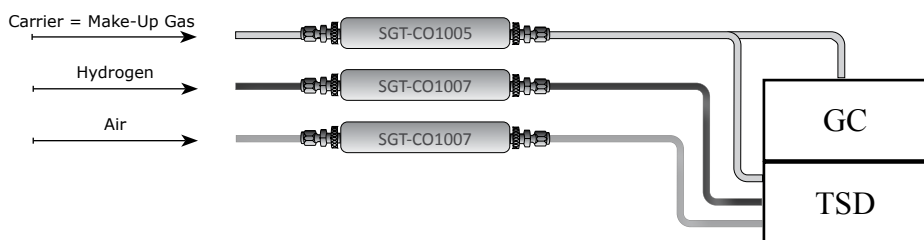
Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1007	3
Click-On Connector Set	**	4

GC (FPD / PFPD)



Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1007	2
Click-On Connector Set	**	3

GC (TSD / TID) / NPD / PND



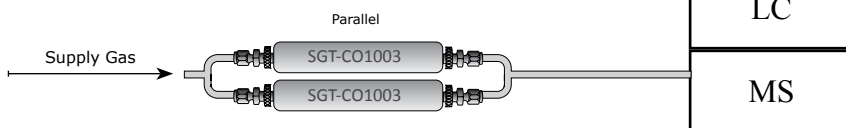
Product	Part No.	Qty
Click-On Triple Trap	SGT-CO1005 *	1
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1007	2
Click-On Connector Set	**	3

* SGT-CO1006 - Helium Specific
 * SGT-CO1008 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

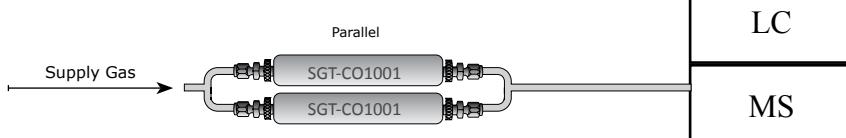
LC / MS

LC/MS Solution 1



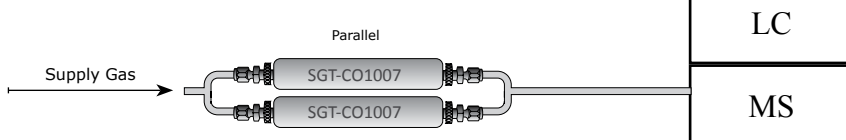
Product	Part No.	Qty
Click-On Hydrocarbon Trap	SGT-CO1003	2
Click-On Connector Set	**	2

LC/MS Solution 2



Product	Part No.	Qty
Click-On Moisture Trap	SGT-CO1001	2
Click-On Connector Set	**	2

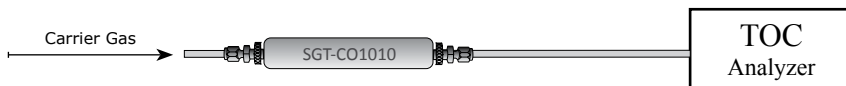
LC/MS Solution 3



Product	Part No.	Qty
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1007	2
Click-On Connector Set	**	2

TOC-Analyzer

TOC Solution 1



Product	Part No.	Qty
Click-On CO ₂ / Moisture Trap	SGT-CO1010	1
Click-On Connector Set	**	1

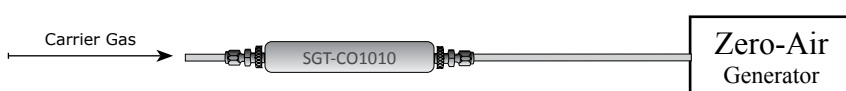
TOC Solution 2



Product	Part No.	Qty
CO ₂ Trap	SGT-CO1009	1
Moisture Trap	SGT-CO1001	1
Click-On Connector Set	**	1
Click-On Double Connector	CO2020	1

Zero-Air Generator

Zero-Air Generator Solution 1



Product	Part No.	Qty
CO ₂ / Moisture Trap	SGT-CO1010	1
Click-On Connector Set	**	1

Zero-Air Generator Solution 2



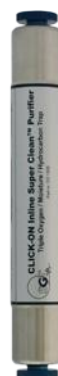
Product	Part No.	Qty
CO ₂ Trap	SGT-CO1009	1
Moisture Trap	SGT-CO1001	1
Click-On Connector Set	**	1
Click-On Double Connector	CO2020	1

** CO2002 - Click-On Connector Set 1/8 " Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

Catalog No. SGT-CO1001

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	3 - 5 years



MOISTURE TRAP

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	21 g
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Catalog No. SGT-CO1002

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	3 - 5 years



OXYGEN TRAP

Oxygen is 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.

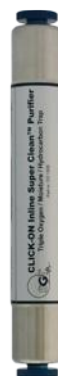
Capacity

O ₂	450 mL
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Catalog No. SGT-CO1003

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	3 - 5 years



HYDROCARBON TRAP

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.

Capacity

HC	36 g (as <i>n</i> -butane)
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Catalog No. SGT-CO1009

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	3 - 5 years



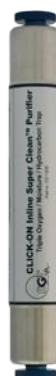
CARBON DIOXIDE TRAP

Removes carbon dioxide and sulfur from gas streams. Always use in combination with a Moisture Trap.

Capacity

CO ₂	36 g
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Catalog No.	SGT-CO1007
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	2 - 3 years

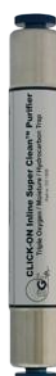


COMBI (MOISTURE/ HYDROCARBON) TRAP

The Fuel Gas Inline trap 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.

Capacity	
H₂O	10 g
HC	18 g (as <i>n</i> -butane)

Catalog No.	SGT-CO1004
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	2 - 3 years

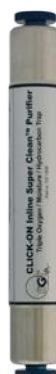


COMBI (OXYGEN/MOISTURE) TRAP

This Combi trap is ideal for purifying carrier gas. It contains **oxygen** and **moisture** scrubbers in one easy to change economical cartridge.

Capacity	
H₂O	10 g
O₂	225 mL

Catalog No.	SGT-CO1010
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	2 - 3 years

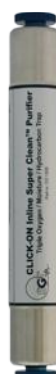


COMBI (CARBON DIOXIDE / MOISTURE) TRAP

This Combi Trap is ideal for TOC-Analyzers and Zero-Air Generators. Removes carbon dioxide, sulfur and moisture from gas streams.

Capacity	
H₂O	10 g
CO₂	18 g

Catalog No.	SGT-CO1005 SGT-CO1006 (Helium Specific) SGT-CO1008 (Hydrogen Specific)
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.6 Kg
Estimated Lifetime	2 - 3 years

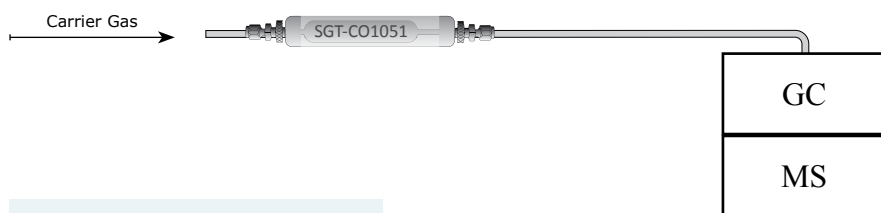


TRIPLE TRAP

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

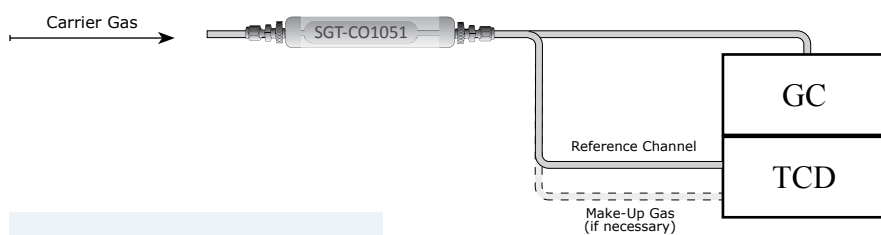
Capacity	
H₂O	6 g
O₂	150 mL
HC	12 g (as <i>n</i> -butane)

GC/MS (ITD/MSD)



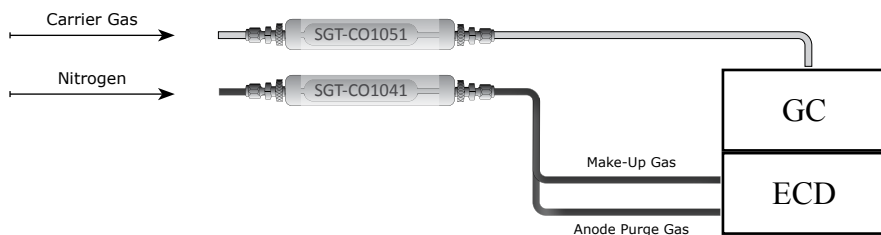
Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Connector Set	**	1

GC / TCD



Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Connector Set	**	1

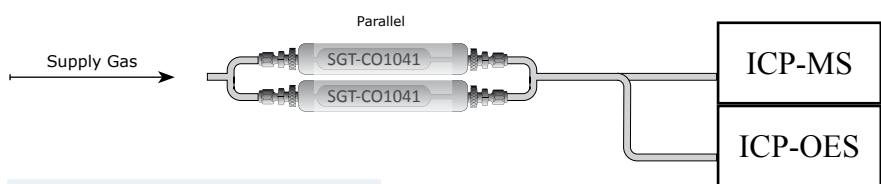
GC / ECD



Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Oxygen/Moisture Trap	SGT-CO1041	1
Click-On Connector Set	**	2

ICP-OES / ICP-MS

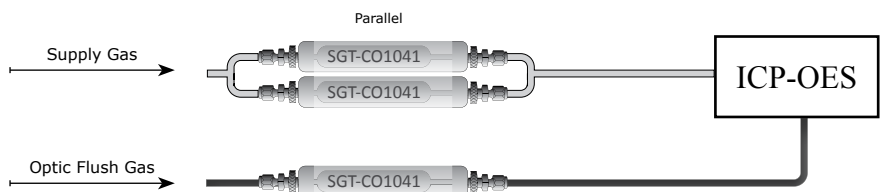
Plasma Gas = Nebulizer Gas



Product	Part No.	Qty
Click-On Oxygen/Moisture Trap	SGT-CO1041	2
Click-On Connector Set	**	2

ICP-OES

Different Optic Flush Gas



Product	Part No.	Qty
Click-On Oxygen/Moisture Trap	SGT-CO1041	3
Click-On Connector Set	**	3

* SGT-CO1081 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

GC / FID

GC/FID Solution 1 (Carrier Gas = Make-Up Gas)



Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Hydrocarbon/Moisture Trap	SGT-CO1071	2
Click-On Connector Set	**	3

GC/FID Solution 2 (Carrier Gas differs from Make-Up Gas)



Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Hydrocarbon/Moisture Trap	SGT-CO1071	3
Click-On Connector Set	**	4

GC (FPD / PFPD)



Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Hydrocarbon/Moisture Trap	SGT-CO1071	2
Click-On Connector Set	**	3

GC (TSD / TID) / NPD / PND



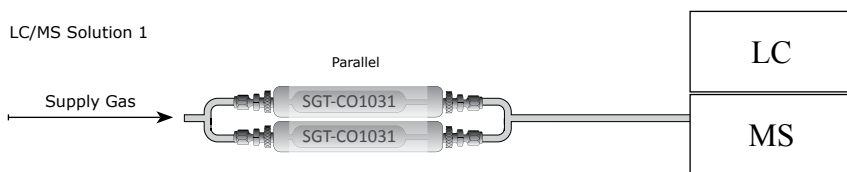
Product	Part No.	Qty
Click-On Triple He Trap	SGT-CO1051 *	1
Click-On Hydrocarbon/Moisture Trap	SGT-CO1071	2
Click-On Connector Set	**	3

* SGT-CO1081 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

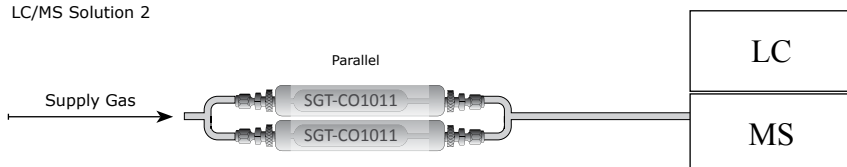
LC/MS

LC/MS Solution 1



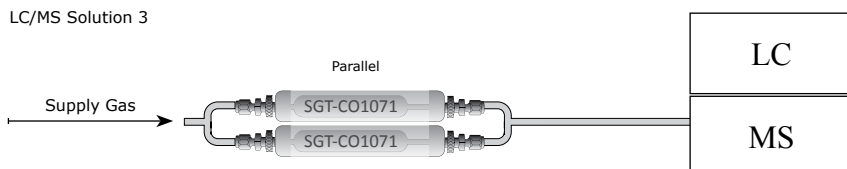
Product	Part No.	Qty
Click-On Hydrocarbon Trap	SGT-CO1031	2
Click-On Connector Set	**	2

LC/MS Solution 2



Product	Part No.	Qty
Click-On Moisture Trap	SGT-CO1011	2
Click-On Connector Set	**	2

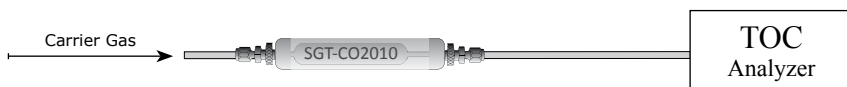
LC/MS Solution 3



Product	Part No.	Qty
Click-On Hydrocarbon/ Moisture Trap	SGT-CO1071	2
Click-On Connector Set	**	2

TOC Analyzer

TOC Solution 1



Product	Part No.	Qty
Click-On CO ₂ / Moisture Trap	SGT-CO2010	1
Click-On Connector Set	**	1

TOC Solution 2



Product	Part No.	Qty
CO ₂ Trap	SGT-CO1091	1
Moisture Trap	SGT-CO1011	1
Click-On Connector Set	**	1
Click-On Double Connector	CO2020	1

Zero-Air Generator

Zero-Air Generator Solution 1



Product	Part No.	Qty
CO ₂ / Moisture Trap	SGT-CO2010	1
Click-On Connector Set	**	1

Zero-Air Generator Solution 2



Product	Part No.	Qty
CO ₂ Trap	SGT-CO1091	1
Moisture Trap	SGT-CO1011	1
Click-On Connector Set	**	1
Click-On Double Connector	CO2020	1

** CO2022 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

Catalog No.	SGT-CO1011
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



MOISTURE TRAP

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	
H₂O	6 g

Catalog No.	SGT-CO1021
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



OXYGEN TRAP

Oxygen is 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.

Capacity	
O₂	130 mL

Catalog No.	SGT-CO1031
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



HYDROCARBON TRAP

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.

Capacity	
HC	10 g (as <i>n</i> -butane)

Catalog No.	SGT-CO1091
Specifications	
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



CARBON DIOXIDE TRAP

Removes carbon dioxide and sulfur from gas streams. Always use in combination with a Moisture Trap.

Capacity	
CO₂	10 g

Catalog No. SGT-CO1071

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



COMBI (HYDROCARBON/ MOISTURE) TRAP

The Fuel Gas Inline trap 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.

Capacity

H ₂ O	3 g
HC	5 g (as <i>n</i> -butane)

Catalog No. SGT-CO1041

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



COMBI (OXYGEN/MOISTURE) TRAP

The Combi trap is ideal for purifying carrier gas. It contains oxygen and moisture scrubbers in one easy to change economical cartridge.

Capacity

H ₂ O	3 g
O ₂	65 mL

Catalog No. SGT-CO2010

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



COMBI (CARBON DIOXIDE/ MOISTURE) TRAP

Removes carbon dioxide, sulfur and moisture from gas streams. This combination does not require a separate moisture trap.

Capacity

CO ₂	5 g
H ₂ O	3 g

Catalog No. SGT-CO1051 (Helium Specific)
SGT-CO1081 (Hydrogen Specific)

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	He
Dimensions	20 cm x Ø 3.2 cm
Weight	0.25 Kg
Estimated Lifetime	2 - 3 years



TRIPLE TRAP

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

Capacity

H ₂ O	2 g
O ₂	32 mL
HC	1.5 g (as <i>n</i> -butane)

Catalog No. SGT-CO1061

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	He
Dimensions	20 cm x Ø 3.2 cm
Weight	0.2 Kg
Estimated Lifetime	> 1 year ¹



TRIPLE INDICATOR

Install this indicator after a Click-On inline (steel) trap so there is no confusion about when to replace traps

Capacity

H ₂ O	0.1 g
O ₂	100 mL
HC	0.07 g (as <i>n</i> -butane)

¹ In combination with an ultra high capacity inline trap, estimated lifetime will be 2 - 5 years.

CLICK-ON CONNECTORS

Catalog No. CO2002

Usable for

1/8" Brass tubing



**1/8" BRASS
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/8" Brass

Catalog No. CO2011

Usable for

1/8" Stainless Steel tubing



**1/8" STAINLESS STEEL
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/8" SS

Catalog No. CO2001

Usable for

1/4" Brass tubing



**1/4" BRASS
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/4" Brass

Catalog No. CO2010

Usable for

1/4" Stainless Steel tubing



**1/4" STAINLESS STEEL
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/4" SS

Catalog No. CO2020

Usable for

Click-On Traps



**DOUBLE
CLICK-ON CONNECTOR**

A Double Connector to connect two Click-On Traps together

Catalog No. SGT-E0020

Usable for
Click-On Traps



ELECTRONIC INDICATOR

Electronic Maintenance Indicator for use with Click-On Inline Filters. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.

Catalog No. CO3001

Usable for
All click-on connectors



O-RING REPLACEMENT SET

A set of 10 + 10 Replacement O-rings for Click-On Inline Connectors.

Catalog No. CO3002

Usable for
Click-on traps



WALL-MOUNTING CLAMP SET

Two wall mount clamps suitable for mounting a Click-On Trap.

Catalog No. B0060

Usable for
High flow applications



PARTICLE FILTER

Particulate filter for high flow applications.

Catalog No. B0065

Usable for
Particle Filter



PARTICLE FILTER REPLACEMENT CUPS

0.5 Micron Particle Filter Replacement Cups for use with Particle Filter.

ORDERING INFORMATION

Click-On Inline Super Clean™ Trap and Connector Kits (Steel)

Part No. *	Description	qty.
SGT-CO1001-B8	SGT Click-On Moisture Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Moisture Trap	ea.
SGT-CO1002-B8	SGT Click-On Oxygen Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Oxygen Trap	ea.
SGT-CO1003-B8	SGT Click-On Hydrocarbon Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Hydrocarbon Trap	ea.
SGT-CO1009-B8	SGT Click-On Carbon dioxide Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Carbon dioxide Trap	ea.
SGT-CO1007-B8	SGT Click-On Combi Trap Kit (Hydrocarbon/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Hydrocarbon/Moisture Trap	ea.
SGT-CO1004-B8	SGT Click-On Combi Trap Kit (Oxygen/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Oxygen/Moisture Trap	ea.
SGT-CO1010-B8	SGT Click-On Combi Trap Kit (Carbon dioxide/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Carbon dioxide/Moisture Trap	ea.
SGT-CO1005-B8	SGT Click-On Triple Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Oxygen/Moisture/Hydrocarbon Trap	ea.
SGT-CO1006-B8	SGT Click-On Triple Helium Specific Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Oxygen/Moisture/Hydrocarbon Helium Specific Trap	ea.
SGT-CO1008-B8	SGT Click-On Triple Hydrogen Specific Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Oxygen/Moisture/Hydrocarbon Hydrogen Specific Trap	ea.

* Standard fittings are 1/8 Brass. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings.
To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

Click-On Inline Super Clean™ Trap and Connector Kits (Glass)

Part No. *	Description	qty.
SGT-CO1011-B8	SGT Click-On Glass Moisture Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Moisture Trap	ea.
SGT-CO1021-B8	SGT Click-On Glass Oxygen Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Oxygen Trap	ea.
SGT-CO1031-B8	SGT Click-On Glass Hydrocarbon Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Hydrocarbon Trap	ea.
SGT-CO1091-B8	SGT Click-On Glass Carbon dioxide Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Carbon dioxide Trap	ea.
SGT-CO1071-B8	SGT Click-On Glass Combi Trap Kit (Hydrocarbon/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Hydrocarbon/Moisture Trap	ea.
SGT-CO1041-B8	SGT Click-On Glass Combi Trap Kit (Oxygen/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Oxygen/Moisture Trap	ea.
SGT-CO2010-B8	SGT Click-On Glass Combi Trap Kit (Carbon dioxide/Moisture) - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Carbon dioxide/Moisture Trap	ea.
SGT-CO1051-B8	SGT Click-On Glass Triple Helium Specific Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Oxygen/Moisture/Hydrocarbon Helium Specific Trap	ea.
SGT-CO1081-B8	SGT Click-On Glass Triple Hydrogen Specific Trap Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Oxygen/Moisture/Hydrocarbon Hydrogen Specific Trap	ea.
SGT-CO1061-B8	SGT Click-On Glass Triple Helium Specific Indicator Kit - 1/8" Brass Includes (2) 1/8" Brass Connectors and (1) Indicating Oxygen/Moisture/Hydrocarbon Helium Specific Trap	ea.

Click-On Inline Super Clean™ Replacement Traps (Steel)

Part No.	Description	qty.
SGT-CO1001	SGT Click-On Moisture Trap	ea.
SGT-CO1002	SGT Click-On Oxygen Trap	ea.
SGT-CO1003	SGT Click-On Hydrocarbon Trap	ea.
SGT-CO1009	SGT Click-On CO ₂ Trap	ea.
SGT-CO1007	SGT Click-On Combi (Hydrocarbon/Moisture) Trap	ea.
SGT-CO1004	SGT Click-On Combi (Oxygen/Moisture) Trap	ea.
SGTCO1010	SGT Click-On Combi (CO ₂ / Moisture) Trap	ea.
SGT-CO1005	SGT Click-On Triple (Moisture/Oxygen/Hydrocarbon) Trap	ea.
SGT-CO1006	SGT Click-On Triple (Moisture/Oxygen/Hydrocarbon) He Trap	ea.
SGT-CO1008	SGT Click-On Triple (Moisture/Oxygen/Hydrocarbon) H2 Trap	ea.

Click-On Inline Super Clean™ Replacement Traps (Glass)

Part No.	Description	qty.
SGT-CO1011	SGT Click-On Glass Indicating Moisture Trap	ea.
SGT-CO1021	SGT Click-On Glass Indicating Oxygen Trap	ea.
SGT-CO1031	SGT Click-On Glass Hydrocarbon Trap	ea.
SGT-CO1091	SGT Click-On Glass Indicating CO ₂ Trap	ea.
SGT-CO1071	SGT Click-On Glass Indicating Combi (Hydrocarbon/Moisture) Trap	ea.
SGT-CO1041	SGT Click-On Glass Indicating Combi (Oxygen/Moisture) Trap	ea.
SGT-CO2010	SGT Click-On Glass Indicating Combi (CO ₂ /Moisture) Trap	ea.
SGT-CO1051	SGT Click-On Glass Indicating Triple He Trap	ea.
SGT-CO1081	SGT Click-On Glass Indicating Triple H2 Trap	ea.
SGT-CO1061	SGT Click-On Glass Triple He Indicator	ea.

* Standard fittings are 1/8 Brass. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings.
To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-S8' for 1/8" Stainless steel and '-S4' for 1/4" Stainless steel fittings.

Click-On Connectors

Part No.	Description	qty.
CO2001	Click-On Connector Set - 1/4" Brass Includes (2) 1/4" Brass Click-On Connectors	2/pk.
CO2002	Click-On Connector Set - 1/8" Brass Includes (2) 1/8" Brass Click-On Connectors	2/pk.
CO2010	Click-On Connector Set - 1/4" Stainless Steel Includes (2) 1/4" Stainless Steel Click-On Connectors	2/pk.
CO2011	Click-On Connector Set - 1/8" Stainless Steel Includes (2) 1/8" Stainless Steel Click-On Connectors	2/pk.
CO2020	Click-On Double Connector Stainless Steel	ea.

Accessories

Part No.	Description	qty.
CO3002	Click-On Wall-mounting Clamp Set	4/pk.
CO3001	Click-On Replacement O-ring Set	20/ pk
SGT-E0020	Electronic Maintenance Indicator Kit for Click-On Steel and Glass Traps For use with Click-On Inline Filters. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.	ea.



Management
System
ISO 9001:2008

www.tuv.com
ID 9108620930

Super Clean™ Gas Filters

BIG TRAP INLINE FILTERS



EP-B 04774871.0
U.S. Patent Pending 10/567,949

SGT — 
SCIENTIFIC GLASS TECHNOLOGY

2015

WWW.SGT-NL.COM

- Ideal for Central Purifying Solutions
- Largest Big Trap Available
- High Pressure Stainless Steel
- High-purity output ensures 99.9999% Pure gas
- Click-On fittings for easy, leak-tight cartridge changes

ABOUT CLICK-ON INLINE BIG TRAPS

Click-On Inline Super-Clean™ Big Traps are inline traps designed with Click-On adaptor connectors which allows inline 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 need for loosening and tightening fittings every time a trap is changed and your system will not become contaminated during the process.

WHY GAS PURITY IS IMPORTANT

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.

CLICK-ON INLINE BIG TRAP SYSTEM COMPONENTS



Click-On Connectors

Re-usable In- and outlet adapter connectors which allows inline cartridges to be exchanged without introducing contaminants.

Spring loaded check valves seal when a filter is removed and open only when a new filter has been locked in place.



Click-On Inline Big Trap

The Click-On Big Trap is completely made out of stainless steel and can withstand high pressures.

The seals at each side of the trap will only be punctured when the Click-On connector is locked in place.



Big Trap Mounting Brackets

Included in every installation kit are the wall mounting clamps to mount a Big trap to a wall or surface.

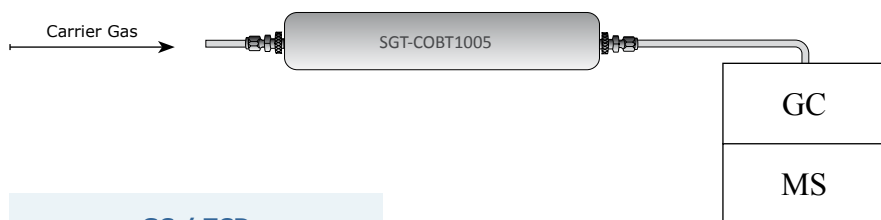


Electronic Indicator

Optional Electronic Maintenance Indicator device warns when scheduled replacement or maintenance is due.

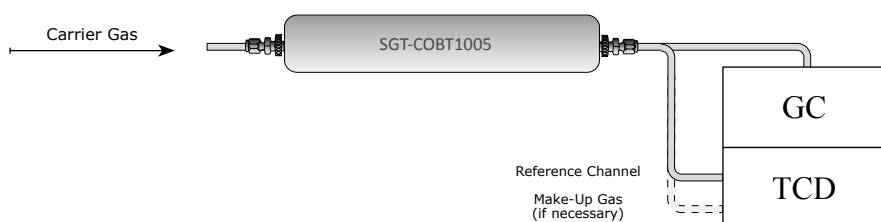


GC / MS (ITD/MSD)



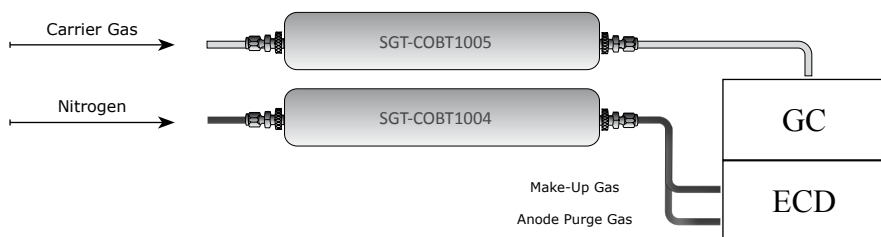
Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Click-On Connector Set	**	1

GC / TCD



Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Click-On Connector Set	**	1

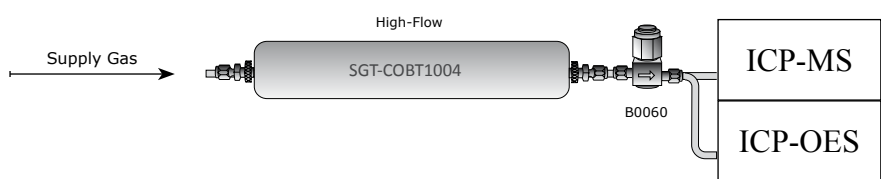
GC / ECD



Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Combi (Oxygen/Moisture) Big Trap	SGT-COBT1004	1
Click-On Connector Set	**	2

ICP-OES / ICP-MS

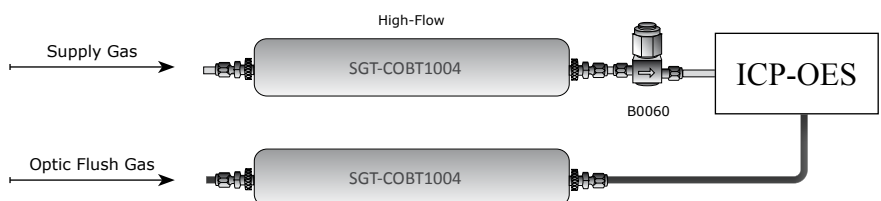
Plasma Gas = Nebulizer Gas



Product	Part No.	Qty
Combi (Oxygen/Moisture) Big Trap	SGT-COBT1004	1
Particle Filter	B0060	1
Click-On Connector Set	**	1

ICP-OES

Different Optic Flush Gas



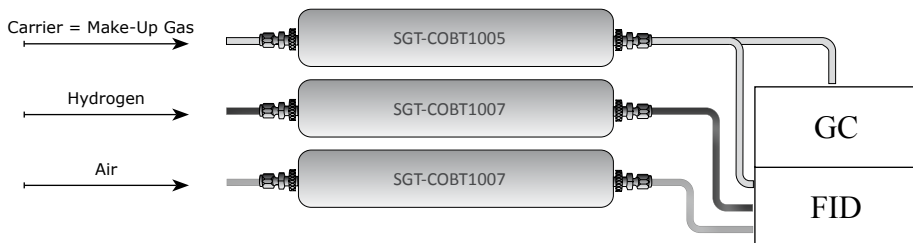
Product	Part No.	Qty
Combi (Oxygen/Moisture) Big Trap	SGT-COBT1004	2
Particle Filter	B0060	1
Click-On Connector Set	**	2

* SGT-COBT1006 - Helium Specific
 * SGT-COBT1008 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

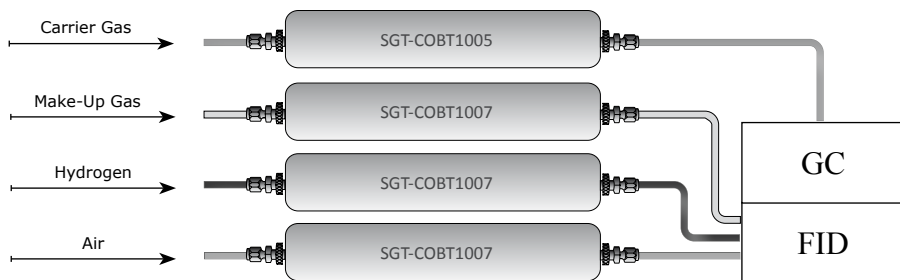
GC / FID

GC/FID Solution 1 (Carrier Gas = Make-Up Gas)



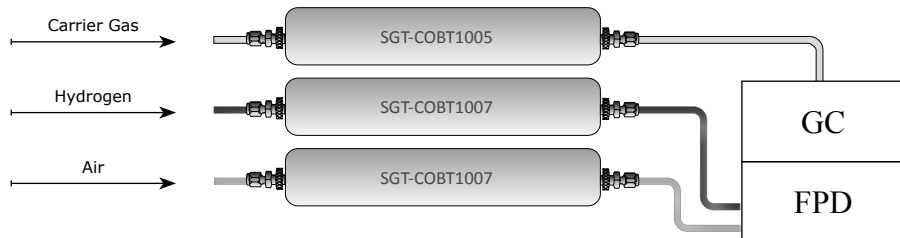
Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Combi (Hydrocarbon/ Moisture) Big Trap	SGT-COBT1007	2
Click-On Connector Set	**	3

GC/FID Solution 2 (Carrier Gas differs from Make-Up Gas)



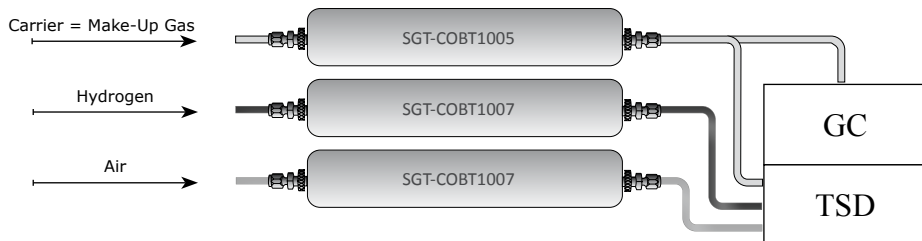
Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Combi (Hydrocarbon/ Moisture) Big Trap	SGT-COBT1007	3
Click-On Connector Set	**	4

GC / (FPD/PFPD)



Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Combi (Hydrocarbon/ Moisture) Big Trap	SGT-COBT1007	2
Click-On Connector Set	**	3

GC / (TSD/TID/NPD/PND)

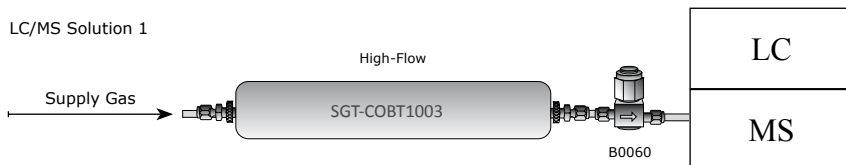


Product	Part No.	Qty
Triple Big Trap	SGT-COBT1005 *	1
Combi (Hydrocarbon/ Moisture) Big Trap	SGT-COBT1007	2
Click-On Connector Set	**	3

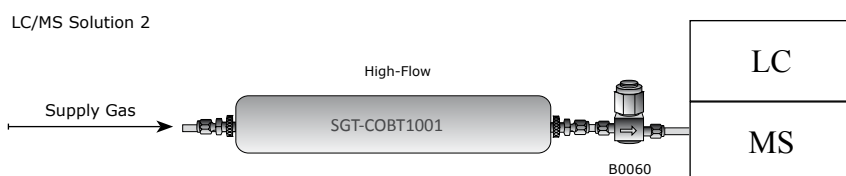
* SGT-COBT1006 - Helium Specific
 * SGT-COBT1008 - Hydrogen Specific

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

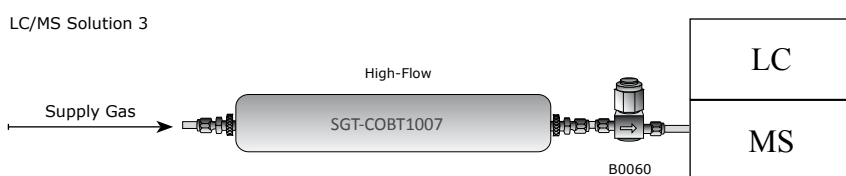
LC/MS



Product	Part No.	Qty
Hydrocarbon Big Trap	SGT-COBT1003	1
Particle Filter	B0060	1
Click-On Connector Set	**	1



Product	Part No.	Qty
Moisture Big Trap	SGT-COBT1001	1
Particle Filter	B0060	1
Click-On Connector Set	**	1



Product	Part No.	Qty
Combi (Hydrocarbon/ Moisture) Big Trap	SGT-COBT1007	1
Particle Filter	B0060	1
Click-On Connector Set	**	1

TOC Analyzer



Product	Part No.	Qty
Combi (CO ₂ / Moisture) Big Trap	SGT-COBT1010	1
Click-On Connector Set	**	1

Zero-Air Generator



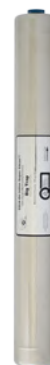
Product	Part No.	Qty
Combi (CO ₂ / Moisture) Big Trap	SGT-COBT1010	1
Click-On Connector Set	**	1

** CO2002 - Click-On Connector Set 1/8" Brass
 ** CO2001 - Click-On Connector Set 1/4" Brass
 ** CO2011 - Click-On Connector Set 1/8" Stainless Steel
 ** CO2010 - Click-On Connector Set 1/4" Stainless Steel

Catalog No. SGT-COBT1001

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



MOISTURE BIG TRAP

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.

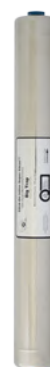
Capacity

H₂O 210 g

Catalog No. SGT-COBT1002

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



OXYGEN BIG TRAP

Oxygen is 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.

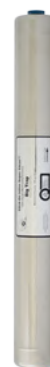
Capacity

O₂ 4.5 L

Catalog No. SGT-COBT1003

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



HYDROCARBON BIG TRAP

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.

Capacity

HC 360 g (as *n*-butane)

Catalog No. SGT-COBT1009

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



CARBON DIOXIDE BIG TRAP

Removes carbon dioxide and sulfur from gas streams. To be used in combination with a Moisture Big trap.

Capacity

CO₂ 450 g

Catalog No. SGT-COBT1007

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



COMBI (HYDROCARBON/MOISTURE) BIG TRAP

The Fuel Gas Inline trap 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.

Capacity

H ₂ O	105 g
HC	180 g (as <i>n</i> -butane)

Catalog No. SGT-COBT1004

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



COMBI (OXYGEN/MOISTURE) BIG TRAP

The Combi trap is ideal for purifying carrier gas. It contains oxygen and moisture scrubbers in one easy to change economical cartridge.

Capacity

H ₂ O	105 g
O ₂	2.25 L

Catalog No. SGT-COBT1010

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR, Air
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



COMBI (MOISTURE/CARBON DIOXIDE) BIG TRAP

Removes carbon dioxide and sulfur from gas streams. This combination trap also removes moisture.

Capacity

H ₂ O	105 g
CO ₂	225 g

Catalog No. SGT-COBT1005
SGT-COBT1006 (Helium specific)
SGT-COBT1008 (Hydrogen specific)

Specifications

Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	25 L/min.
Usable For	Inert carrier gas, He, H ₂ , N ₂ , AR
Dimensions	22 inch x Ø 2.5 inch
Weight	3 Kg
Estimated Lifetime	3 - 5 years



TRIPLE (OXYGEN/MOISTURE/HYDROCARBON) BIG TRAP

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

Capacity

H ₂ O	70 g
O ₂	2 L
HC	120 g (as <i>n</i> -butane)

Catalog No. CO2002

Usable for
1/8" Brass tubing



**1/8" BRASS
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/8" Brass

Catalog No. CO2011

Usable for
1/8" Stainless Steel tubing



**1/8" STAINLESS STEEL
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/8" SS

Catalog No. CO2001

Usable for
1/4" Brass tubing



**1/4" BRASS
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/4" Brass

Catalog No. CO2010

Usable for
1/4" Stainless Steel tubing



**1/4" STAINLESS STEEL
CLICK-ON CONNECTOR SET**

Click-On Connector Set - 1/4" SS

Catalog No. CO2020

Usable for
Big Traps



**DOUBLE
CLICK-ON CONNECTOR**

A Double Connector to connect two Click-On Traps together

Catalog No. SGT-E0030
Usable for
 Big Traps



ELECTRONIC INDICATOR

Electronic Maintenance Indicator for use with Click-On Inline Big Trap. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.

Catalog No. CO3001
Usable for
 All click-on connectors



O-RING REPLACEMENT SET

A set of 10 + 10 Replacement O-rings for Click-On Inline Connectors.

Catalog No. CO3003
Usable for
 Big Traps



WALL MOUNT BRACKET SET

Two wall mount brackets suitable for mounting a Click-On Big Trap.

Catalog No. B0060
Usable for
 High flow applications



PARTICLE FILTER

Particulate filter for high flow applications.

Catalog No. B0065
Usable for
 Particle Filter



PARTICLE FILTER REPLACEMENT CUPS

0.5 Micron Particle Filter Replacement Cups for use with Particle Filter.

Installation Kits

Part No. *	Description	qty.
SGT-COBT1001-S4	Click-On Inline Moisture Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1002-S4	Click-On Inline Oxygen Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1003-S4	Click-On Inline Hydrocarbon Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1009-S4	Click-On Inline Co2 Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1004-S4	Click-On Inline Combi (Oxygen/Moisture) Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1007-S4	Click-On Inline Combi (Hydrocarbon/Moisture) Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1010-S4	Click-On Inline Combi (Co2/Moisture) Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1005-S4	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1006-S4	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) He Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.
SGT-COBT1008-S4	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) H2 Big Trap Kit Includes 1 Trap, 2 Connectors and 2 Wall-mount brackets	ea.

Replacement Traps

Part No.	Description	qty.
SGT-COBT1001	Click-On Inline Moisture Big Trap Moisture Replacement Trap	ea
SGT-COBT1002	Click-On Inline Oxygen Big Trap Oxygen Replacement Trap	ea
SGT-COBT1003	Click-On Inline Hydrocarbon Big Trap Hydrocarbon Replacement Trap	ea
SGT-COBT1009	Click-On Inline Carbon dioxide Big Trap Carbon dioxide Replacement Trap	ea
SGT-COBT1004	Click-On Inline Combi (Oxygen/Moisture) Big Trap Combi Oxygen/moisture Replacement Trap	ea
SGT-COBT1007	Click-On Inline Combi (Hydrocarbon/Moisture) Big Trap Combi Hydrocarbon/Moisture Replacement Trap	ea
SGT-COBT1010	Click-On Inline Combi (Carbon dioxide/Moisture) Big Trap Combi Carbon dioxide/Moisture Replacement Trap	ea
SGT-COBT1005	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) Big Trap Kit Triple Oxygen/Moisture/Hydrocarbon Replacement Trap	ea
SGT-COBT1006	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) He Big Trap Kit Triple Oxygen/Moisture/Hydrocarbon Replacement Trap (Conditioned with Helium)	ea
SGT-COBT1008	Click-On Inline Triple (Oxygen/Moisture/Hydrocarbon) H2 Big Trap Kit Triple Oxygen/Moisture/Hydrocarbon Replacement Trap (Conditioned with Hydrogen)	ea

* Standard fittings are 1/4" Stainless Steel. All Kits are available in 1/4" to 1/8" Brass and Stainless steel fittings.
To order, replace Part No. suffix into '-B4' for 1/4" Brass, '-B8' for 1/8" Brass and '-S8' for 1/8" Stainless steel fittings.

Connector Sets

Part No.	Description	qty.
CO2001	Click-On Connector Set 1/4" Brass A set of 2 Click-On Inline Trap Connectors	ea.
CO2002	Click-On Connector Set 1/8" Brass A set of 2 Click-On Inline Trap Connectors	ea.
CO2010	Click-On Connector Set 1/4" Stainless Steel A set of 2 Click-On Inline Trap Connectors	ea.
CO2011	Click-On Connector Set 1/8" Stainless Steel A set of 2 Click-On Inline Trap Connectors	ea.
CO2020	Click-On Double Connector Set A Double Connector to connect two Click-On Inline Traps together	ea.
CO3001	Replacement O-ring Set for Click-On Connectors A set of 10 + 10 Replacement O-rings for Click-On Inline Trap Connectors	20/pk.

Accessories

CO3003	Big Trap Wall-mounting Bracket Set Contains two Wall mount brackets suitable for mounting a genuine Click-On Inline Big Trap	2/pk.
B0060	Particle Filter 0.5 Micron Particle Filter recommended to be used in combination with a Big Trap when using high flow applications such as LC/MS	ea.
B0065	0.5 Micron Particle Filter Cup Replacement Pack Contains twelve 0.5 Micron Particle Filter Replacement Cups for use with Particle Filter	12/pk.
SGT-E0030	Electronic Maintenance Indicator Kit for Click-On Big Trap For use with Click-On Inline Big Trap. Includes Electronic Indicator Device, Battery, USB Cable and Mounting clip.	ea.



Management
System
ISO 9001:2008

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