

Product Information

SGT Super Clean™ Gas Filters



E000938

Supelco offers the SGT Super Clean, Fast-Connect technology that allows today's chemist the time saving elimination of instrument downtime. The Super Clean Gas Filters can be installed within seconds without disturbing the technical and analytical performance of the gas-chromatographic system. These cartridges do not connect directly in to the gas line like a typical in-line filter, but onto a specially designed base plate, allowing a diffusion-proof installation without the use of tools.

The unique POINT-OF-USE glass/metal, diffusion proof SGT Super-Clean Gas Filters, purifies delicate carrier, fuel, and other gases for your GC and GC-MS system. These filters remove hydrocarbons, oxygen (color indicated) and moisture (color indicated) to better than 6.0 gas (99,999%) quality. This purification is independent of the original gas quality.

Only SGT Super Clean Gas Filters offer you the following benefits:

- Tailor made combinations of a variety of one-purpose and/or multipurpose filters.
- Out-coming gas guaranteed to 6.0 grade or higher
- Pressure resistant up-to 150 psi/11bar

Analytical Advantages of SGT Super Clean Gas Filters

- Longer lifetime of analytical columns, helps to avoid column-bleed which is especially important for GC-MS, ECD, NPD, TCD, PID.
- Better sensitivity, decreases baseline noise, eliminates spikes.
- Filter cartridge exchange during analysis with the fast-connect diffusion-proof design.

SGT Super Clean Gas Filter Specifications*

Type of Filter	H ₂ O (gram)	O ₂ (mL)	Hydro-carb. (gr)	Estim. Lifetime
GC – Moisture		7.2		>2 years
GC – Charcoal		1000	12 (as n-butane)	>2 years
GC – Combi (moisture/charcoal)			6 (as n-butane)	>1.5 years
GC-MS – Triple (moisture/oxygen/charcoal)	1.8	500	4 (as n-butane)	>1 years
GC-MS – Triple gas specific Helium (moisture/oxygen/charcoal)	2.0	600	4 (as n-butane)	>1 years

*The specify lifetimes are strongly dependent on quality of incoming gas.

Ordering Information:

SGT Super Clean Cartridge Systems

Description	Cat. No.
Ultra-High Capacity Moisture Filter with indicator	SU861021
Ultra-High Capacity Oxygen Filter with indicator	SU861022
Ultra-High Capacity Hydrocarbon Filter (charcoal) without indicator	SU861023
Combi GC Filter, replacement fuel gas filter (charcoal/moisture)	SU861025
Triple GC Filter Replacement (oxygen/moisture/charcoal)	SU861026
Triple GC Filter Replacement for Helium (oxygen/moisture/charcoal)	SU861027
High Flow Special Moisture Filter: bundle of 2 replacement cartridges	SU861028
LC Filter bundle of 2 (charcoal 2x for LC-MS: Nitrogenpurification) high flow without indicator	SU861029
High Flow Charcoal Filter for LC-MS	28877-U
Triple GC Kit for Carrier Gas, 1 position	28878-U
GC-MS Kit for He (Baseplate + 1 triple filter)	SU861040
GC-FID Kit for 3 filters, Triple + 2x Combi Cartridge- (Charcoal/moisture)	SU861043
High Flow Special Moisture Filter Kit for 2 filters/base plate	SU861045
LC-MS Kit for 2 filter/base plate (2x charcoal: Nitrogen purification) High Flow without indicator	SU861046
*Super-clean gas purification system for GC applications	
*FID Gas Purification System	

Trademark

Super Clean — Scientific Glass Technology

SGT Super Clean Cartridge Systems — Hardware Only

Description	Cat. No.
Single-Position Baseplate	SU861011
2-Position Baseplate	SU861012
2-Position Baseplate for High Flow LC-MS	28879-U
3-Position Baseplate	SU861013
Wall Mounting Bracket	SU861016

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