



Super-Clean

Gas Filters

from



Super-Clean™ Gas Filters

Economical Gas Purification Made Easy

- ✓ High-purity output ensures 99.9999% pure lab gas
- ✓ Features a "quick connect" for easy, leakfree cartridge changes
- ✓ Full glass/metal design is durable



Designed to allow fast, simple changing of cartridges

This line of Super-Clean™ gas filters is the latest in cartridge gas filtration. Cartridge systems make changing gas filters quick and easy. The system uses a baseplate that 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 get contaminated during the process.



Also available are 2- or 3-position baseplates. By using the 2- and 3-position baseplates you can purify all GC gas streams at one location. **Figure 1** shows some possible filter cartridge combinations using these baseplates. Any combination is possible because any Super-Clean™ filter cartridges can be used with any baseplate.



Type of Filter (cat. #)	Outlet Gas Quality	Max. Pressure (bar)	Usable for	Indicator Color Damage	H ₂ O (g)	Capacity O ₂ (ml)	Hydrocarb.	Estimated Lifetime (years)
Moisture 22028	>99.9999	11	Inert carrier gas Air Hydrogen	Brown to White	7.2	NA	NA	>2 years
Oxygen 22029	>99.9999	11	Inert carrier gas	Green to Grey	NA	1000	NA	>2 years
Hydrocarbons 22030	>99.9999	11	Inert carrier gas Air Hydrogen	No Indicator	NA	NA	not specified	>2 years
Fuel Gas Filter 22022	>99.9999	11	Inert carrier gas Air Hydrogen	Brown to White	3.6	NA	not specified	>1.5 years
Triple (Moist/Oxy/Hydr.Carb) 22020	>99.9999	11	Inert carrier gas	Brown to White Green to Grey	1.8	500	not specified	>1 years

"Baseplate design allows cartridges to be changed easily without introducing oxygen to your system."

RESTEK

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High-purity output for improved sensitivity

The Triple Filter cartridge is ideal for purifying carrier gas. This trap contains oxygen, moisture, and hydrocarbon scrubbers in one cartridge. The purity of your carrier gas after flowing through the Triple Filter is better than six-9s, which is ideal for sensitive mass spectrometry (MS) analyses and for protecting your analytical columns against damage from contaminated carrier gas.

The Fuel Gas Filter cartridge 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.

Figure 1

All Super-Clean™ filter cartridges feature **easy-to-read indicators**. The indicator code is shown on every trap so there is no confusion determining when a trap needs to be replaced.

Configurations for different methods.

Triple Kit for MS, ECD, NPD

carrier gas



Triple Filter
hydrocarbons/
moisture/oxygen

Burner Gas Kit for FID

hydrogen



Fuel Gas Filter
hydrocarbons/
moisture

air



Fuel Gas Filter
hydrocarbons/
moisture

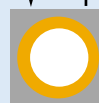
Complete Filter Bundle Kit for FID

carrier gas



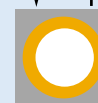
Triple Filter
hydrocarbons/
moisture/oxygen

hydrogen



Fuel Gas Filter
hydrocarbons/
moisture

air



Fuel Gas Filter
hydrocarbons/
moisture

Super-Clean™ Gas Filters

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Replacement Filters



Replacement Triple Filter: removes oxygen, moisture and hydrocarbon impurities. cat.# 22020, (ea.)

Replacement Fuel Gas Filter: removes moisture and hydrocarbon impurities. cat.# 22022, (ea.)

Ultra-High Capacity Filters



Ultra-High Capacity Hydrocarbon Filter
cat.# 22030, (ea.)

Ultra-High Capacity Moisture Filter
cat.# 22028, (ea.)

Ultra-High Capacity Oxygen Filter
cat.# 22029, (ea.)

Filter Kits



Filter Bundle Kit: two Fuel Gas Filters for FID fuel gases and one Triple Filter for carrier gas. cat.# 22031, (kit)

Filter and Baseplate Kits



Carrier Gas Cleaning Kit: includes mounting baseplate, 1/8" inlet/outlet fittings, and oxygen/moisture/hydrocarbon triple filter. cat.# 22019, (kit)

FID Fuel Gas Filter Kit: one Fuel Gas Filter and one single-position baseplate. cat.# 22021. (kit)

Baseplates



3-Position Baseplate*
cat.# 22027, (ea.)

2-Position Baseplate*
cat.# 22026, (ea.)

Single-Position Baseplate*
cat.# 22025, (ea.)

*All baseplates fittings are 1/8". To adapt for 1/4" fittings, use a 1/8" to 1/4" tube-end union: cat.# 21833, (5-pk.)

Replacement O-Rings



Replacement O-Rings: for Super-Clean Filter cartridge baseplates. cat.# 22023, (20-pk. 10 large and 10 small)

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