

Gas Purifiers for LC/MS

SGT Super-Clean™ Filter System

- Remove impurities to deliver 99.9999% pure gas
- Exchange filters in seconds, without introducing air into the system
- Diffusion-proof with glass and metal construction
- Pressure resistant up to 160psi and Max Flow 20L/min
- Estimated lifetime 3-6 months



05AJ-0011

Nitrogen gas for LC/MS is needed to remove moisture, hydrocarbons and other contaminants, to minimize detector noise or drift and eliminate ghost peaks.

Moisture purifiers are typically packed with molecular sieve that absorb water preventing degradation of hydrocarbon purifiers and detector noise.

Hydrocarbon purifiers are packed with an activated charcoal that absorb hydrocarbons larger than methane, which cause baseline noise or drift or ghost peaks.

Indicating hydrocarbon purifiers are packed with an activated charcoal with indicator that remove hydrocarbons from gas and changes color to warn of system saturation.

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.

Filters	Usable for	Moisture	Hydrocarbon ¹	Indicator/Color change
Moisture	He N2 H2 Air Ar	7.2g	-	Orange to clear
Hydrocarbon	N2	-	24g	-
Indicating Hydrocarbon	N2	-	24g	Orange to clear

¹As n-butane

HPLC Accessories



05AJ-0032

05AJ-0042

05AJ-0052



05AJ-0061



05AJ-0061

05AJ-0102

05AJ-0094

Ordering Information

Description	QTY	Part No.
Super-Clean™ Filter Kit with Filters and Baseplate, 1/4" Fitting		
2-Position, 2-Hydrocarbon Filters, 1-Particle Filter	1	05AJ-0011
2-Position, 2-Moisture Filters, 1-Particle Filter	1	05AJ-0021
Replacement Filters		
Hydrocarbon Filter	2	05AJ-0032
Indicating Hydrocarbon Filter	2	05AJ-0042
Moisture Filter	2	05AJ-0052
Replacement Parts		
2-Position Baseplate with 0.5um Particle Filter	1	05AJ-0061
0.5um Particle Filter	1	05AJ-0071
0.5um Particle Filter Cup	10	05AJ-0086
Connector, 1/4"	4	05AJ-0094
Flush Cap	2	05AJ-0102

