



Super-Clean Gas Filter System

Super-Clean gas filter systems are designed to provide the utmost in convenience and contamination reduction. The system is tested for leak-tightness and the glass and metal construction of the cartridges eliminates diffusion of contaminants into the gas stream. During cartridge replacement, check valves close off the system to the atmosphere, further minimizing the entry of contaminants.

Filter systems are available in several configurations, including 3 and 4 cartridge systems for GCs equipped with FIDs. Additionally, baseplates are available for 2,3, or 4 filters, allowing a gas filter system for any application.

- **Triple filter cartridge** for carrier gas purification with a single cartridge: hydrocarbon, moisture (indicating) and oxygen (indicating) trapping
- **Fuel gas filter** for removal of hydrocarbons and moisture (indicating) from FID fuel gases
- Filters can be changed easily, without tools
- Indicating action tells when to replace cartridges

Specifications:

Max pressure: 150 psi
 Capacity: Triple Filter – 1.8g H₂O, 500mL of O₂
 Fuel gas filter – 3.6g H₂O
 Moisture filter – 7.2g H₂O
 Oxygen – 1000 mL of O₂
 Dimensions: 33cm x 31cm x 11cm – 4 cartridge system
 Weight: 8kg
 Fittings: for 1/8" tubing
 Purity level: ≤ 0.1ppm at max flow rate of 2L/min



Super-Clean Gas Purification Systems

Cat. No.	Description
5182-9703	FID Gas Purification System, 3 position <i>includes: (1)Triple filter and (2)Fuel gas filters</i>
5183-4774	FID Fuel Gas Purification System, 2 position <i>includes: (2)Fuel gas filters</i>
5182-9704	Carrier Gas Purification System, 1 position <i>includes: (1)Triple filter cartridge</i>
5182-0816	Super-Clean Gas Purification System, 4 pos. <i>includes: (1)Ind. Oxygen, (1)Ind. Moisture, (2)Hydrocarbon</i>

Replacement Filter Cartridges

5182-9705	Triple filter cartridge
5183-4771	Fuel gas filter cartridge
5182-0817	Moisture filter cartridge with indicator
5182-0818	Oxygen filter cartridge with indicator
5182-0820	Hydrocarbon filter cartridge
5183-4770	Filter Set: (1)Oxygen, (1)Moisture, (2)Hydrocarbons
5183-4769	FID Set: (1)Triple filter, (2)Fuel gas filters

Accessories

5182-0821	Wall mount bracket for Super-Clean GPS
5182-3423	Super-Clean GPS O-ring kit, (4 ea. of 2 sizes)

High Capacity Gas Purification System

Three Cartridge System

- **First cartridge removes moisture and organics**
- **Second cartridge provides the capacity to remove at least 1000 cc of pure oxygen**
- **Third cartridge (indicating oxygen) changes color to warn of system saturation**

Specifications:

Max pressure: 200 psi
 Capacity: 1,000mL of oxygen,
 18 tanks of 99.997% purity gas
 15g H₂O (inlet saturation)
 0.7g H₂O (inlet moisture 10ppm)
 12g hydrocarbon (as n-butane)
 Dimensions: 25cm x 30cm x 8cm
 Weight: 4.8kg
 Purity level: ≤ 0.2ppm oxygen; ≥ 99.8 %
 removal of moisture and hydrocarbons



Three cartridge system includes manifold for wall or bench mount and 3 cartridges (moisture/hydrocarbon, oxygen, and indicating oxygen).

Single Cartridge System

- **Contains a triple-combination cartridge (non-indicating)**

Specifications:

Max pressure: 200 psi
 Capacity: 450mL of oxygen,
 8 tanks of 99.997% purity gas
 6.0g H₂O (inlet saturation)
 0.3g H₂O (inlet moisture 10ppm)
 5.2g hydrocarbon (as n-butane)
 Dimensions: 12cm x 30cm x 8cm
 Weight: 1.6kg
 Purity level: ≤ 0.2ppm oxygen; ≥ 99.8 %
 removal of moisture and hydrocarbons



Single cartridge system includes manifold for wall or bench mount, and a triple combination cartridge (moisture/hydrocarbon/oxygen).

High Capacity Gas Purification System (GPS)

Cat. No.	Description	Fitting
5183-1907	Three cartridge system	1/8"
5182-9776	Three cartridge system	1/4"
5183-4598	Single cartridge system	1/8"
5183-4599	Single cartridge system	1/4"

Replacement Cartridges

5182-9780	Cartridge kit for 3 GPS (1 of each filter)
5183-4600	Triple combination cartridge for Single GPS
5182-9777	Moisture/hydrocarbon cartridge
5182-9778	Oxygen cartridge
5182-9779	Indicating oxygen cartridge