

# SCION Gas Clean Filters for GC, GC-MS

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## SCION Gas Clean Filters

- SCION Clean Gas Filters provide superior quality carrier and detector gases for optimal detection limits, and extended column lifetime.
- QR code for traceability and real time filter status monitoring. After setting up and activation the QR code you can view current status of the filter, set maintenance reminders, get technical support and Re-Order and see QA status for QA Audits,
- Improved maximum pressure resistance and durability (now 15 Bar)
- Fully made of glass and metal: no diffusion and no micro leaks. Polymer shielding of filter for optimal safety. All materials are renewable.
- Quick Fit Base plate: No tools required for replacement. Spring-loaded check valves seal when a filter is removed and open only when a new filter has been locked in place, avoiding introduction of contaminants.
- Easy to read indicators warns when a filter is saturated



## SCION Recommended Gas Filtering Set Up for GC, GCMS, LCMS

Gas Type	Recommend Filters	Detectors
Carrier	Oxygen and moisture	FID, TCD, PFPD
Carrier	Oxygen, moisture and hydrocarbons	MS, NPD, ECD, PID
Detector Air	Hydrocarbons	FID, PFPD, NPD
Detector H2	Hydrocarbons	FID, PFPD, NPD
Make up N2 or Ar/CH4	Oxygen and moisture	ECD
Make up N2 or He	Hydrocarbons (when make up is not also carrier)	FID, NPD
Cone/Sheath gas	Hydrocarbons	LC/MS
Air	CO2	CO2 sensitive systems

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## SCION Filter Kits

- Complete Kits with Baseplates, Filters and connections
- Easy for starting or expanding lab setups

P/N	Description
<b>BRB1010B8</b>	Scion Instruments 1 Triple Filter Kit - 1/8" Brass Triple Filter, 1 Position Base plate with 1/8" Brass inlet/outlet fittings
<b>BRB1011B8</b>	Scion Instruments 1 Triple He Filter Kit - 1/8" Brass Triple He Filter, 1 Position Base plate with 1/8" Brass inlet/outlet fittings
<b>BRB1012B8</b>	Scion Instruments 1 Triple H2 Filter Kit - 1/8" Brass Triple H2 Filter, 1 Position Base plate with 1/8" Brass inlet/outlet fittings
<b>BRB1110SKB8</b>	Scion Instruments 1 Triple Filter Starter Kit incl. 1 spare filter- 1/8" Brass 2 Triple Filters, 1 Pos. Base plate with 1/8" Brass inlet/outlet fittings, two 1/8" nuts , ferrules and 1 m tubing
<b>BRB1020B8</b>	Scion Instruments 2 Combi Filters Kit - 1/8" Brass 2 Combi Filters, 2 Position Base plate with 1/8" Brass inlet/outlet fittings.
<b>BRB1024B8</b>	Scion Instruments 2 Filters Kit - 1/8" Brass Oxygen Filter, Moisture Filter, 2 Position Base plate with 1/8" Brass inlet/outlet fittings.
<b>BRB1024SKB8</b>	Scion Instruments 2 Filters Starter Kit - 1/8" Brass Oxygen Filter, Moisture Filter, 2 Pos. Base plate w. 1/8" Brass inlet/outlet fittings, nut, ferrule and 1m tubing
<b>BRB1030B8</b>	Scion Instruments 3 Filters Kit - 1/8" Brass Triple Filter, 2 Combi filters, 3 Position Base plate with 1/8" Brass inlet/outlet fittings.
<b>BRB1040B8</b>	Scion Instruments 4 Filters Kit - 1/8" Brass Oxygen Filter, Moisture Filter, 2 Hydrocarbon Filters, 4 Position Base plate with 1/8" Brass inlet/outlet fittings.

## SCION Base Plates

- Baseplates for GC
- Different # of positions, connection size and material.

P/N	Description
<b>BRB0010B8</b>	Scion Instruments Base plate 1 Position - 1/8" Brass Base plate for 1 Gas Filter

# SCION Gas Clean Filters for GC, GC-MS

## SCION Filter Replacements

- Filter Replacements.
- Filter bundles for efficient and cost effective replacement maintenance.

P/N	Description
<b>BRF0101</b>	Scion Instruments Moisture Filter Ultra high capacity moisture filter. Ideal for carrier gas filtering when a MS or FID is used.
<b>BRF0102</b>	Scion Instruments Oxygen Filter Ultra high capacity oxygen filter. Ideal for carrier gas filtering when an FID is used.
<b>BRF0103</b>	Scion Instruments Hydrocarbon Filter Ultra high capacity moisture filter. Ideal for burner gas filtering (air and hydrogen) when an FID is used.
<b>BRF0201</b>	Scion Instruments Combi Filter Moisture - Hydrocarbon adsorbents combination. Used for burner gas cleaning like Air and Hydrogen
<b>BRF0301</b>	Scion Instruments Triple Filter Triple combination of Oxygen - Moisture - Hydrocarbon adsorbents. Used for carrier gas cleaning
<b>BRF0302</b>	Scion Instruments Triple He-specific Filter Triple combination of Oxygen - Moisture - Hydrocarbon adsorbents, conditioned with Helium. Used for Helium carrier gas cleaning and ideal for GC/MS systems
<b>BRF0304</b>	Scion Instruments Triple H <sub>2</sub> -specific Filter Triple combination of Oxygen - Moisture - Hydrocarbon adsorbents, conditioned with Hydrogen. Used for Helium carrier gas cleaning GC/MS systems
	<b>Filter Bundles</b>
<b>BRF0730</b>	Scion Instruments Filter Bundle of 3 For GC and GC/MS. 1 Triple Filter, 2 Combi Filters
<b>BRF0740</b>	Scion Instruments Filter Bundle of 4 For GC and GC/MS. Oxygen Filter, Moisture Filter, 2 Hydrocarbon Filters



# SCION Gas Clean Filters for GC, GC-MS

## SCION Parts for Connecting / Mounting

- Various connecting materials to ensure proper operation of SCION Gas Clean Filters
- Convenient and space-saving wall mounting brackets.

P/N	Description
<b>BRB0121</b>	Scion Instruments Connector Set - 1/8" Brass 3 Sets of two Connectors (in- and outlet) for Base plate
<b>BRB0122</b>	Scion Instruments Connector Set - 1/4" SS 3 Sets of two Connectors (in- and outlet) for Base plate
<b>BRB0123</b>	Scion Instruments Connector Set - 1/8" SS 3 Sets of two Connectors (in- and outlet) for Base plate
<b>BRB0130</b>	Scion Instruments Flush Cap Replacement Set 2 Flush Caps for Base plate
<b>BRB0110</b>	Scion Instruments Base plate O-ring Replacement Set Two sets of 10 O-rings for Base plate
<b>BRB0050</b>	Scion Instruments Wall-mounting Bracket Set Suitable for genuine Scion Instruments Base plates