

SCION Gas Clean Filters for LCMS



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- SCION Clean Gas Filters provide best quality gas quality for high flow applications in LC-MS requiring hydrocarbon filtering (cone/sheath/collision gas)
- 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 |

SCION Gas Clean Filters for LC-MS

SCION Filter Kits

- Complete Kits with Baseplates, Filters and connections, designed for high Flow applications.
- Easy for starting or expanding lab setups

| P/N | Description |
|------------------|---|
| BRB1021B4 | Scion Instruments High Flow Hydrocarbon Filter Kit - 1/4" Brass 2 High Flow Hydrocarbon Filters, 2 Position High Flow Base plate with 1/4" Brass inlet/outlet fittings. |
| BRB1022B4 | Scion Instruments High Flow Moisture Filter Kit - 1/4" Brass 2 High Flow Moisture Filters, 2 Position High Flow Base plate with 1/4" stainless steel inlet/outlet fittings |

SCION Replacement Filters

- Replacement filters for high flow applications
- Effective filtering of cone/sheath/collision gas for hydrocarbons and moisture

| P/N | Description |
|----------------|---|
| BRF0720 | Scion Instruments High Flow Hydrocarbon Filter Bundle For LC/MS. 2 High Flow Hydrocarbon Filters |
| BRF0721 | Scion Instruments High Flow Moisture Filter Bundle For LC/MS. 2 High Flow Moisture Filters |
| BRF0722 | Scion Instruments High Flow Hydrocarbon AT Filter Bundle For LC/MS. 2 High Flow Indicating Hydrocarbon Filters |

SCION Filter Base Plates

- High Flow Baseplates, Designed for LCMS flowrates

| P/N | Description |
|------------------|---|
| BRB0021B4 | Scion Instruments High Flow Base plate 2 Position - 1/4" Brass For LC/MS. Base plate for 2 High Flow Gas Filters |

SCION Gas Clean Filters for LC-MS

SCION Parts for Connecting / Mounting

- Dedicated filters, connection sets in 1/4" for high flow throughput
- Easy for expanding or temporary re-routing setups

| P/N | Description |
|----------------|---|
| BRB0060 | Scion Instruments 0.5 Micron Particle Filter (1/4" Brass) |
| BRB0065 | Scion Instruments 0.5 Micron Particle Cup Filter Pack Replacement filter element |
| BRB0124 | Scion Instruments High Flow Connector Set - Brass 1/4". For LC/MS. 3 Sets of two Connectors (in- and outlet) for Base plate |
| BRB0125 | Scion Instruments High Flow Connector Set - 1/4" SS. For LC/MS. 3 Sets of two Connectors (in- and outlet) for Base plate |
| BRB0131 | Scion Instruments High Flow Flush Cap Replacement Set. For LC/MS. 2 Flush Caps for High Flow Base plate |
| BRB0110 | Scion Instruments Base plate O-ring Replacement Set. Two sets of 10 O-rings for Base plate |
| BRB0050 | Scion Instruments Wall-mounting Bracket Set. Suitable for genuine Scion Instruments Base plates |

