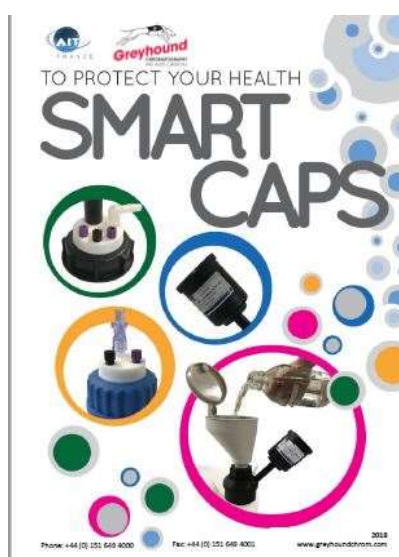


# Solvent Safety Caps | HPLC Safety Caps from Greyhound Chromatography



**AIT France** presents its own Smart Caps range to suit your HPLC system at best. This range offers you two solutions: - Smart Healthy Caps-Smart Waste Caps

Smart Healthy caps are manufactured in response to modern laboratory safety regulations. They are made of inert materials resistant to chemicals.

The use of a one-way air check valve allows for low cost safe and secure solvent extraction in your laboratory.

- No solvent evaporation
- Keep your concentration accurate for several days
- No mobile phase external contamination

**AIT France** offers a diversified range of activated charcoal cartridge for the emission of eluent and solvent vapours; by special charcoal impregnation, the cartridges become an excellent barrier against concentrated acids or bases.

A Smart Waste Cap forms an airtight cap, drilled with a variable number of holes to host effluents tubes outgoing from the HPLC system.

The main piece is a cartridge filled with activated charcoal attached to the cap. This filter allows the absorption of 98% of the solvent's vapours released by the solvent's can.

There are many size and configuration options available to suit your personal needs. Please refer to the catalogue for full products details.

If you have any questions regarding AIT products, please do not hesitate to contact us at [sales@greyhoundchrom.com](mailto:sales@greyhoundchrom.com)

Greyhound Chromatography is pleased to supply AIT's Smart Caps to Research and Analysis laboratories worldwide. For product information and selection assistance please contact

### **Q-Fil Certified Syringe Filters**

Q-Fil Certified Syringe Filters set the new Quality standard for today's laboratory syringe filters. Manufactured from the highest quality medical grade high density polypropylene, Q-Fil Certified Syringe Filters provide excellent chemical compatibility with acids, alcohols, bases, ethers, glycols, ketones and oils, with maximum operating temperatures of 135°C.

Every colour-coded filter is printed with the individual batch number, details of the membrane material and its pore size, on the outside rim of the filter, making them unique for traceability, GLPs and validation purposes.

**[BUY HERE](#)**



### **Why filter your samples for HPLC?**

- To protect the HPLC column, the column inlet frits and capillary columns against blockage (plugging) caused by particulate matter in the sample
- To protect injection valves from damage caused by scratching and wear of the valves internal components, caused by harmful particulate matter in the unfiltered sample, thereby reducing instrument downtime.

### **About our Quality Control procedures**

- Every batch of filters is tested by an independent laboratory to ISO 17025 quality procedures
- Every individual Q-Fil Certified Syringe Filter is visually inspected to ensure it meets our manufacturing and quality control specifications

- Samples of all our syringe filters and their respective raw technical data are stored for a period of 5 years from the date of manufacture for future reference
- Each batch of filters is tested prior to release for
  - External Dimensions
  - Bubble Point
  - Burst Pressure
  - Filter Integrity
  - Water Flow Rate
  - UV Extractables and compliance with all technical procedures

### **Why use Greyhound Q-Fil Certified Syringe Filters?**

- Q-Fil Certified Syringe Filters are manufactured in compliance with ISO 9001:2000 quality procedures
- Every box is supplied with a Certificate of Analysis and Conformance to guarantee its batch to batch quality and performance
- The unique encapsulating process developed for these filters, forces the sample to pass only through the membrane, thus avoiding the possibility of leaks or contamination
- Available in the most popular sizes, porosities and membrane types
- Excellent resistance to all routinely used HPLC solvents
- Filter housings are manufactured from high density medical grade polypropylene
- Extremely low level of extractables for highly sensitive work
- Luer connections fully comply with ISO 594-1
- Filters are available with standard and 'SlimTip' sized outlets

### **Selecting the right Q-Fil Certified Syringe Filter**

- Choose the size of filter based on the volume of sample to be filtered
- Choose the filters porosity based on the size of the potential particulates in the sample. It is important to be aware that the finer the porosity of the membrane the greater the pressure will be required to pass the sample through the filter. A sample containing large quantities of particulates is best filtered using a filter with a built-in glass fibre pre-filter
- Choose the type of membrane based on the solvent being filtered.

### **Filter Sizes**

All our filters have female Luer Lock inlets and are available in three diameters -

#### **25mm Diameter**

Designed for large sample volumes or solvent filtration  
 Wide cross sectional area 3.55cm<sup>2</sup>  
 Maximum filtration volume >10ml  
 Maximum operating pressure 550 Kpa

#### **13mm Diameter**

Suitable for most applications  
 Filtration area of 0.95cm<sup>2</sup>  
 Maximum filtration volume 1 to 10ml Maximum operating pressure 750 Kpa Now available with 'SlimTip' (ST) outlet

#### **4mm Diameter**

Suitable for most applications Ideal for small samples <1ml Pore sizes of 0.20µm and 0.45µm  
 SlimTip Filters (ST)

13mm diameter syringe filters are now available with the new 'SlimTip' outlet for direct filling of microvials.

### **Pore Sizes**

Q-Fil Certified Syringe Filters are available in 0.20µm and 0.45µm pore sizes. The 0.20µm filters remove the smallest particulates whilst the 0.45µm filters are designed to remove particulates which would be detrimental to most analytical columns.

**Pre-filters** (page 6) have a glass microfibre membrane which is chemically inert and resists most solvents. Q-Fil glass microfibre pre-filters are recommended for removing large particulates from the sample and are ideal for dissolution tests.

Glass microfibre membranes are also available mounted before the microporous filter membrane in the polypropylene housing. The glass pre-filter removes the larger particulates and prevents premature clogging of the filter.

### **Contact Us!**

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