

# Borosil introduces Glass Filtration Holders

HPLC, as an analytical tool for detection and separation of chemical compounds, has become the most important laboratory technique over the last decade. As with all analytical techniques, minor processing problems sometimes appear which in the long run can have major impact on the accuracy of the system as well as its durability.

Filtration of solvents prior to analysis is recommended by most instrument manufacturers. Particulate matter in solvents can cause damage to expensive pumps, clog analytical columns, and in general cause wear and tear to the instruments. Particulate matter and dissolved gasses in solvents can also create spurious peaks or can result in baseline instability.

HPLC grade solvents, even though filtered prior to shipment by the manufacturer, can accumulate particles during storage due to shedding from the solvent containers and solvent condensation.

The use of salts and buffers can also significantly contribute to particles in the mobile phase.

Filtration solvents reduces instrument down-time, prolongs the life of the analytical columns, pumps and valves and most importantly helps the instrument perform in optimal fashion.



Pioneers in Speciality Glass

## All Glass Filtration Holder 47 mm / 90 mm

### Specifications :

- 100% Borosilicate Glass with fritted glass filter base. Base design has integral vacuum connection located above filtrate drip to prevent contamination of vacuum line with droplets.
- Anodized Aluminum Spring clamp
- Filter Size : 47mm / 90mm
- Effective Filtration Area : 9.6 cm<sup>2</sup> / 45 cm<sup>2</sup>
- Funnel Capacity : 300 ml / 1000 ml
- Flask Capacity : 500 ml / 1 Lit / 2 Lit / 5 Lit

Product No	Description	Quantity Per Case
<b>5350024</b>	All glass filter holder, 47mm (500 ml flask, 300 ml funnel), complete set	1 No
<b>5350029</b>	All glass filter holder, 47mm (1 L flask, 300 ml funnel), complete set	1 No
<b>5350030</b>	All glass filter holder, 47mm (2 L flask, 300 ml funnel), complete set	1 No
<b>5350033</b>	All glass filter holder, 90mm (5 L flask, 1000 ml funnel), complete set	1 No

The four bold numeric characters in the Product Code denote the Catalogue number of the product



**Pioneers in Speciality Glass**

## **Glass Filter Holder with Silicon Stopper, 47mm / 25mm**

Product Code	Description	Quantity Per Case
<b>5360029</b>	Glass filter holder with silicon stopper, 47 mm (1 L Flask, 300 ml Funnel) complete set	1 No
<b>5360030</b>	Glass filter holder with silicon stopper, 47 mm (2 L Flask, 300 ml Funnel) complete set	1 No

Product Code	Description	Quantity Per Case
<b>5370017</b>	Glass filter holder with silicon stopper, 25 mm (125 ml Flask, 15 ml Funnel) complete set	1 No

The four bold numeric characters in the Product Code denote the Catalogue number of the product

### **Specifications :**

- 100% Borosilicate Glass. Liquids come in contact only with Borosilicate glass. Base design has integral vacuum connection located above filtrate drip to prevent contamination of vacuum line with droplets.
- Filtration base with Silicon stopper
- Anodized Aluminium Spring clamp
- Filter Size: 47mm / 25mm
- Effective Filtration Area: 9.6 cm<sup>2</sup> / 2.5 cm<sup>2</sup>

### **Corporate Office :**

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