

# Instructions for using the Omnifit Frit removal tool.



Item	Qty	Component	Material
<b>Tool base</b>	1	Tool base	Acetal-C
<b>Push rod</b>	1	Rod	Stainless Steel
		Handle	Acetal-C

Note: - The Frit removal tool is manufactured from Acetal-C and therefore only has limited resistance to chemical attack. Endpieces should be washed through before frits are removed

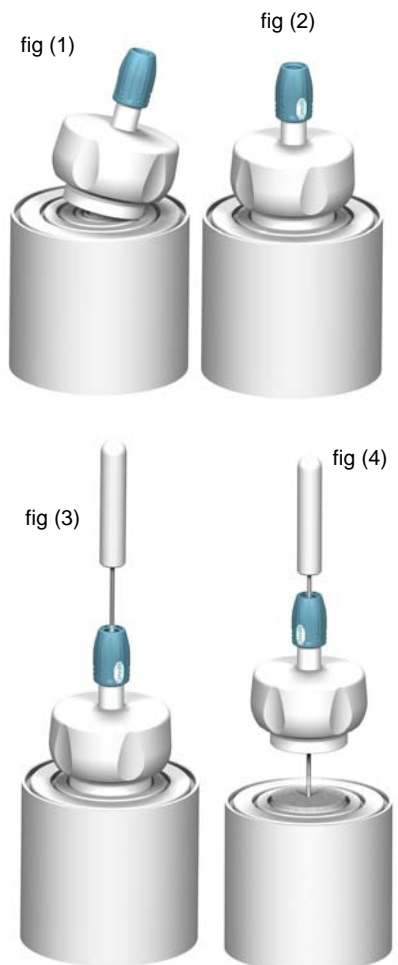
## 2.0 Description

The Omnifit frit removal tool provides an easily controllable method for removal and replacement of frits for Omnifit columns in the size range of 6.6mm to 50.5mm bore.

## 3.0 Instructions for use.

### 3.1 Frit removal.

- Place the frit removal tool on a flat surface.
- Select the correctly sized groove on the tool for the particular end piece.
- Position the frit retaining lip of the endpiece in the groove, at an angle as shown in fig (1).
- Carefully apply force to the endpiece so that the remainder of the lip is stretched and fits into the groove on the tool fig (2).
- Whilst maintaining applied pressure to end piece to keep the lip stretched, carefully insert the push rod through the PTFE endpiece until a stop is felt fig (3).
- Push the rod firmly onto the frit and the removal tool, and at the same time, slowly pull the endpiece up the push rod until the frit is removed fig (4).



### 3.2 Fitting a new frit.

- Select appropriate frit.
- Push the frit past the retaining lip of the endpiece until the frit is retained.
- Note : Ensure no damage occurs to the sealing face of the PTFE endpiece.

During the frit removal process, the retaining lip of the endpiece is stretched to a size larger than the bore of the column. The original size must be re-established to enable fitment into the column. Achieve this by :-

- Selecting the correctly sized resizing hole for the particular endpiece, these are the stepped recesses found on the reverse end on the grooved tool.
- Carefully push the endpiece into the hole until a stop is felt.
- Leave in position for a few seconds and then remove from the tool.
- The endpiece is now ready for fitting into a column.

## Replacement parts and accessories.

Omnifit replacement frits are available for 6.6mm to 50.5mm bore columns in the following materials and porosities : -

Material	Porosity (µm)					
	5	10	25	40	70	100
PTFE	✓	✓	✓	✓	✓	✓
Polyethylene	X	✓	✓	X	X	X

For further accessories, replacement parts and catalogue numbers please contact your local representative or visit our website at [www.omnifit.com](http://www.omnifit.com).