

# Perfect PEAK<sup>®</sup>

## FILTER AND COLUMN FRITS

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MISSION CRITICAL PRECISION

PerfectPeak<sup>®</sup> Filter and Column Frits are made with **CERTIFIED QUALITY MATERIALS** for **UNIFORM PORE SIZE DISTRIBUTION** and **MAXIMUM COLUMN EFFICIENCY**

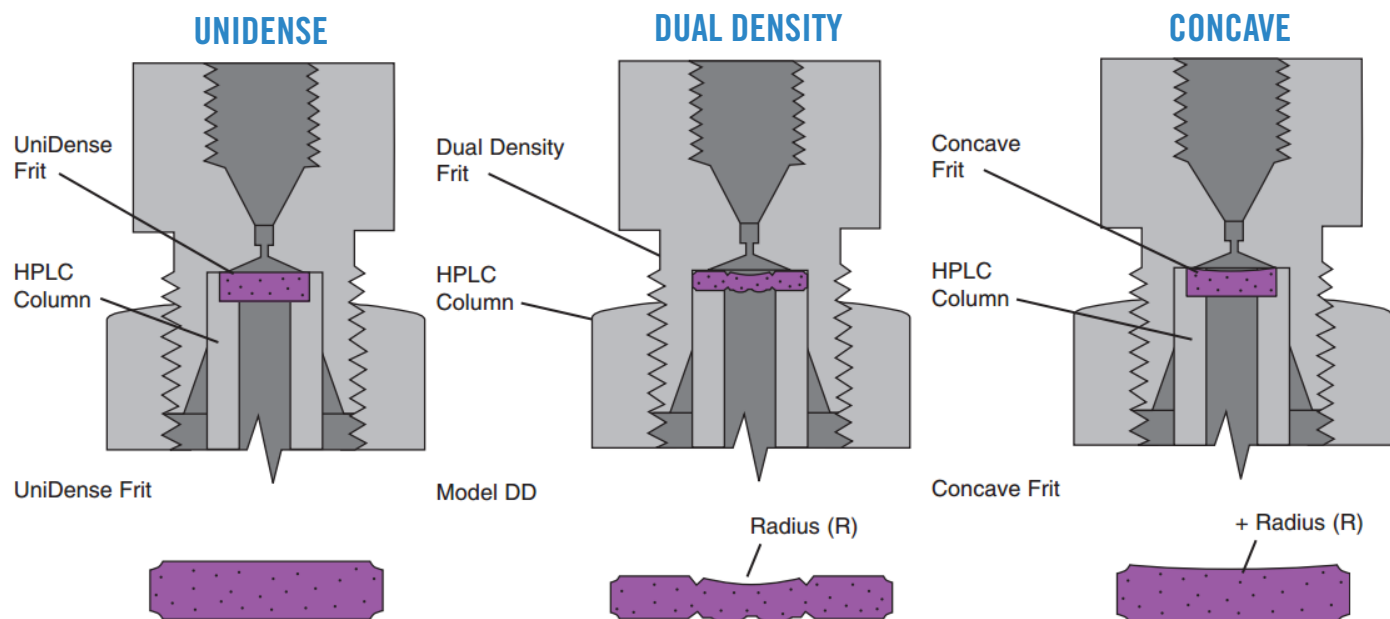
### DESCRIPTION

PerfectPeak<sup>®</sup> Filter and Column Frits offer a wide variety of options and additional benefits to produce the most optimal results in your system:

- Highly repeatable results through minimal pressure drop
- Narrow pore size distribution
- Multiple gasket options including metal, PEEK, and PTFE for optimal sealing
- Variety of alloys such as stainless steel for standard use, as well as titanium or corrosion resistant Hastelloy<sup>®</sup> for bio-inert applications



### GEOMETRIES



## OPTIONS

PerfectPeak® Frits come in many standard sizes to fit in any HPLC/UHPLC system or can be specially designed to fit in custom filter and column applications. Choose from the following standard options to replace your frits or contact us with your unique specifications in order to receive a custom product.

<b>GEOMETRY</b>	<ul style="list-style-type: none"><li>• <b>Unidense</b> - Uniform flow across the entire column</li><li>• <b>Dual Density</b> - Limit flow to the interior region of the frit and reduce dead volume</li><li>• <b>Concave</b> - Enhance flow uniformity without the need for a flow distribution plate</li></ul>
<b>DIMENSIONS</b>	<ul style="list-style-type: none"><li>• <b>Diameter</b> - Standard disc diameters available from 0.062" to 0.750"</li><li>• <b>Thickness</b> - Standard thicknesses of 0.028" and 0.062"</li></ul>
<b>PORE SIZE</b>	<ul style="list-style-type: none"><li>• <b>0.2, 0.5, and 2 µm</b> - Standard option for HPLC/UHPLC filtration</li><li>• <b>2, 5, 10, and 20 µm</b> - Standard options for semi-prep filtration</li></ul>
<b>ALLOY</b>	<ul style="list-style-type: none"><li>• <b>316L SS</b> - Standard HPLC/UHPLC applications</li><li>• <b>Titanium</b> - Bio-inert applications</li><li>• <b>Hastelloy®</b> - Bio-inert applications with corrosive solvents</li></ul>
<b>SEALING MATERIAL</b>	<ul style="list-style-type: none"><li>• <b>Metal</b> - Robust sealing surface that can withstand harsh environments</li><li>• <b>PEEK</b> - For most bio-inert applications requiring standard sealing</li><li>• <b>PTFE</b> - Economical solution for frits requiring the most bio-inert of materials</li></ul>
<b>ASSEMBLY METHOD</b>	<ul style="list-style-type: none"><li>• <b>Press Fitting</b> - Standard assembly method for all frits</li><li>• <b>Sinter Bonding</b> - For ultimate durability (only available for metal sealing materials)</li></ul>

To place an order for PerfectPeak® Frits, please provide the following specifications:

1. Geometry
2. Dimensions
3. Pore Size
4. Alloy
5. Sealing Material
6. Assembly Method

Custom options are available upon request



**Perfect PEAK®**

Hastelloy is a registered trademark of Haynes