



Mini Wedge® Column

True Scaled down Model of Process Scale Superflo Columns



Sepragen's dedicated process chromatographic engineers and scientists have responded to the scalability problem by designing the Mini Wedge® radial column. The Mini Wedge® fully exploits the separation capability and high capacity of low cost soft media as well as the faster flow media currently available. It does this without compromising performance in terms of chromatographic separation, efficiency and productivity. The Mini Wedge® columns incorporate the patented design of radial flow and traditional axial flow column chromatography. This permits simple linear scale-up of your bioprocess from lab scale axial columns to large-scale radial flow chromatographic columns.

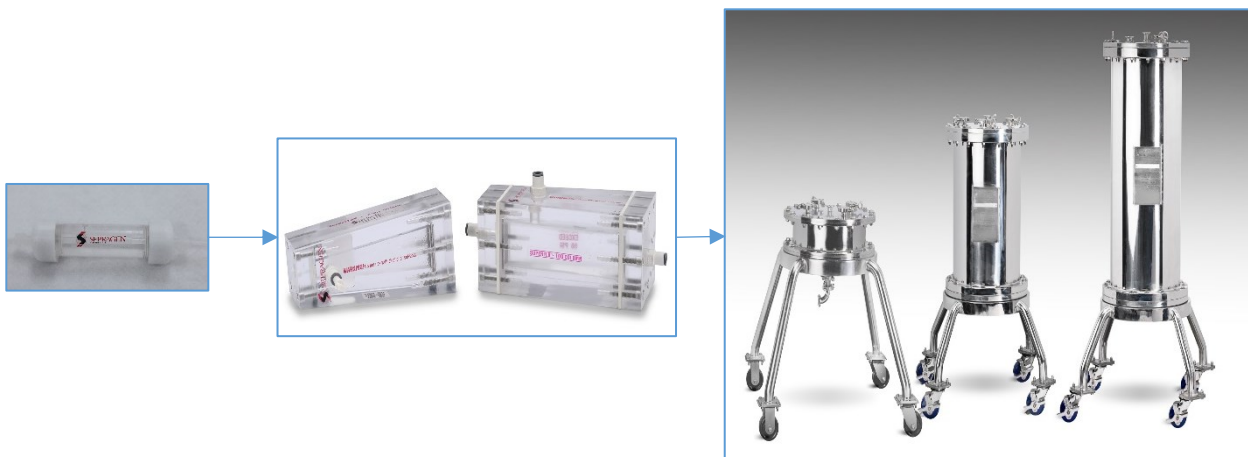
Column chromatography is being extensively used as a tool for purifying small quantities of biomolecules from complex mixtures. However, its application for the production of biomolecules from crude sources, in commercially viable quantities, has been restricted. One of the reasons is that until now there has not been much effort put into "in-tandem" design of both production scale and lab scale columns. Consequently, conventional axial process scale columns are not able to support the low cost and high-capacity softer media without resulting in high back pressures, over compacting and curtailed resolution. Further, since the separation has to be optimized continuously as the scale of operation changes, valuable time and resources may be sacrificed. Frequently, this can make the difference between finishing successful research and quickly bringing a product into market at a reasonable cost.

- ✓ Ideal for Linear Easy Scale-up
- ✓ Easy Validated Packing method
- ✓ High Flow Rates
- ✓ Plug & Play QuantaSep 100 / Akta ready

- ✓ High Productivity
- ✓ Low Back Pressure
- ✓ Self or prepacked
- ✓ Perfect for Small scale Process Development



The Mini Wedge® – A section of the Process scale Superflo Columns



SCALE-UP from a Mini Wedge® to Process Scale Radial flow

The Mini Wedge® columns is the ideal scaled down model of a Large Production / Process Scale Radial flow / Superflo® column. Initial studies can be performed on these columns in your lab and scaled up to production scale be it 50L or 100L or 150L resin bed volumes.

Similar to the Larger Superflo columns, the Mini Wedge columns have built in packing ports which ensure repeatable and reproducible packing consistency of your column.

*The Mini Wedge columns can be obtained either empty or prepacked with the resin of your choice or with the Sepragen's new fast flow resins **Sepraflo® S** or **Sepraflo® Q**.*

*See the Advantage of Radial Flow Chromatography – **Try a Starter kit today!!!***

A starter kit consists of an empty 5ml, an empty 10ml Mini Wedge® and an empty 20ml and an empty 100 ml Wedge Column.



Mini Wedge® Columns Sizes and Materials

Mini Wedge® Columns are made of Acrylic and are disposable or can be reused. They can be customized to your specific needs. Our standard Mini Wedge® columns come in 2 sizes 5 mL and 10 mL with 10 cm bed height. The Mini Wedge® Columns come with 10 micron stainless steel frits. Columns exhibit excellent chemical resistance in the range of pH 2-12.

To learn more call: (510) 475-0650

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