

Static Axial Compression Column (SAC Column)

Introduction & Feature

靜態軸向壓縮層析分離管(SAC)簡介及特點



Routine Specifications(常規規格):

ID25.4mm *450mm (1 inch)

ID50mm *450mm (2 inch)

ID80mm *450mm (3 inch)

ID100mm *450mm (4 inch)

Customized sizes(客製化尺寸)

Customized packing(客製化充填)

Prominent Features and Benefits(突出的特點和優點):

1. Global leading design and approach for the embedded manual pressing device that performs advanced axial compression functionality.
全球領先的設計和嵌入式手動壓緊裝置的方法，呈現先進的軸向壓縮功能。

2. The Surface Finish of our column wall is better than $\geq \nabla 12$ ($Ra \leq 0.25\mu m$) that ensuring very good column concentricity($0.2\mu m$), and is better than similar global products.

We continuously and routinely cooperate with domestic and global institutions for advanced technologies, such as the concentricity and

precision polishing technologies for column inner wall from key military units. The effort ensures excellent product stability and performance.

我們的分離管柱內壁的表面光潔度優於 $\geq \nabla 12$ ($RA \leq 0.25$ 微米), 確保更好的柱同心度(0.2 微米), 比同類的全球產品更好.

我們不斷並常規地與國內和國際機構進行先進技術的合作, 例如來自重點軍事單位的柱內壁同軸度和精密拋光的技術. 這些努力保證了優異的產品穩定性和性能。

3. Capabilities to maintain sufficiently high internal pressure that prevent the sharp decline in column efficiency caused by the collapsing of column bed. In specific cases if the column bed has loosed and collapsed, the original column pressure and column efficiency can be restored without any tools by just manually and gently twist on the top pressing device.

能力保持足夠高的內部壓力, 以防止由於柱床塌陷所引起的分離管柱效率的急劇下降. 在特定情況下, 如果分離管柱床已鬆動和塌陷, 原來的分離管柱壓力和分離管柱的效率, 可以不需要任何工具, 經由手動調整, 輕輕旋轉頂端加壓裝置上, 而恢復.

4. The column efficiency is very high that is enough to make it easy to achieve linear amplification from analytical to preparation scales and thus provides best condition for promotion to optimized non-linear Chromatography applications. The unique column-end distribution piece design, have provided more uniform chromatographic process for samples, with more symmetrical peak shapes.

分離管柱效率非常高, 足夠很容易地實現了從分析線性放大到製備規模, 從而提供了提升到最佳化非線性層析應用的最好條件.

獨特的分離管柱兩端的分配器的設計, 有樣品更均勻一致層析過程, 更對稱的峰形.

5. With removable and both normal and reverse directions applicable feasibilities that make user re-filling very easy. The durable life time is much longer than other SAC prepared columns that are implemented with fixed flange sealing mounting or with spring compress parts.

具有可拆卸, 以及正向和反向使用的方便性, 使得使用者重新填充非常容易. 使用的耐久時間, 比其它用固定法蘭密封裝配或以彈簧壓縮組件的製作的製備分離管柱長很多.

6. Eliminate the drawbacks of Spring-compressed type SAC columns, such as lower performance, large volume, and non-linear pressure decline along stroke and spring fatigue along times.

消除了彈簧壓縮型式的 SAC 分離管柱的缺點, 如較低的性能, 體積大, 以及沿著柱塞方向的非線性壓力下降和彈簧長時間使用的疲勞現象等.

7. The performance of SAC column approaches to that of the DAC column in low ID ranges ($\leq 80\text{mmID}$).

在低的內徑範圍($\leq 80\text{mmID}$), SAC 分離管柱的性能接近的 DAC 分離管柱.

8. We provide SAC column packing services in our factories with very affordable costs.

我們提供在我們的工廠進行的 SAC 分離管柱的充填服務, 成本非常的實惠.

NOTE: We can also, according to customer requirements, manufacture customized or specialized columns that are packed with user specified packing materials from various sources as Kromasil, HyperSil, Fuji, etc. We also provide re-packing and other services for preparative columns from customers.

我們還可以根據客戶的要求, 定製特別的分離管柱, 可充填由用戶指定的各種填料, 如 Kromasil, HyperSil, Fuji, NanoMicroTech 等來源.

我們還為來自於使用者的分離管柱提供了重新充填及其他服務.

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