

# MODcol® Multipacker® System and DAC Spring® Columns

purification  
technologies

## MODcol® Multipacker® Packing Station

- Easy and Safe Use
- Pack Multiple Columns with One Unit
- Unprecedented Safety Features

Whether using Reprosil or Vydac® (or other chromatographic media) the combined benefits of the MultiPacker® packing station and Spring® columns can deliver improved performance, productivity, and safety. Unlike competitive systems, the column can be removed from the MultiPacker® packing station and the DAC (Dynamic Axial Compression) mechanism remains contained within the column. This allows more flexibility for column operation in the lab and the ability to pack multiple columns with a single MultiPacker® packing station. The hydraulic packing mechanism has nearly pulsation-free operation for gentle packing of fragile media. Since the system does not require electrical power, it is safe to use with many volatile solvents and in hazardous environments. The MultiPacker® packing station incorporates several safety features with redundant back-up to give users maximum confidence and peace of mind to perform in-house packing.



*Pack multiple  
DAC columns and  
use independently of  
packing device!*

## MODcol® Spring® Columns

- Improve Chromatographic Performance
- Extend Column Lifetimes
- Truly Mobile DAC Column

The Spring® column system has a unique portable design with patented internal dynamic axial compression (DAC) technology that gives DAC performance independently from the external packing device. DAC eliminates voids and increases peak symmetry, column lifetime, reproducibility, and overall efficiency. Spring® columns packed with Vydac® or Reprosil media provide a highly effective purification solution.



**The Spring® column's mobile, internal DAC system compensates for voids formed by bed settling, extending column lifetime and improving performance without an external power source.**

**Dr. Maisch GmbH**  
Any Column, Any Size, Any Media

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## Multipacker® Systems Ordering Information



### 1" and 2" MultiPacker® Instrument

Packs 25mm, 50mm and 70 mm ID Spring® columns with high performance. The packer has a high safety standard, and can be used in explosion-hazard areas. The ease of use results in reproducible column packing, nearly operator independent. This makes the MODcol® MultiPacker® instrument the ideal choice for column self packing needs in the pharmaceutical industry.



### 2" and 4" MultiPacker® Instrument

Packs 50mm, 70mm, 101mm and 150mm ID Spring® columns with the same principle and performance as the 1"-2" MultiPacker®. Both instruments have state of the art safety features and are designed to work in modern pharmaceutical lab and production environments. They are nearly maintenance free and easy to handle with very little training required.

1" and 2" Multipacker® Packing Station	
Description	Part No.
Multipacker® for 25 & 50mm Spring® Columns	5142605
<i>Approved by TÜV Rheinland according to the EU machinery directive. Fully CE-certified, and come with an ATEX exclusion that states their suitability to be safely operated in explosion-hazard areas.</i>	

2" and 4" Multipacker® Packing Station	
Description	Part No.
Multipacker® for 50 & 101mm Spring® Columns	5145921
<i>Approved by TÜV Rheinland according to the EU machinery directive. Fully CE-certified, and come with an ATEX exclusion that states their suitability to be safely operated in explosion-hazard areas.</i>	

## Spring® Column Ordering Information

Spring® Columns are offered in 2 lengths - 40cm and 70cm. A 40cm column body can accommodate up to a 15cm length packed bed and the 70cm column body can accommodate up to a 50cm length packed bed.

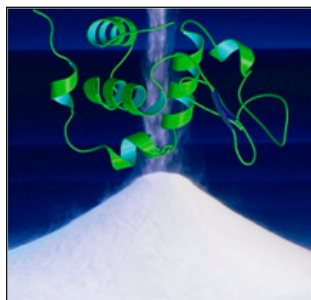
Spring® Columns are available with an integral water jacket, making them ideal for use with separations requiring careful temperature control.



Complete Column Kits						
Description	25mm	50mm	70mm	101mm	150mm	Other IDs
Complete Non-Water Jacket Spring® Column Hardware, 40cm*	X	X	X	X	X	on request
Complete Water Jacket Spring® Column Hardware, 40cm	X	X				on request
Complete Water Jacket ASFC Spring® Column Hardware, 40cm	X	X				on request
Complete Non-Water Jacket Spring® Column Hardware, 70cm*	X	X	X	X	X	on request
Complete Water Jacket Spring® Column Hardware, 70cm	X	X				on request
Complete Water Jacket ASFC Spring® Column Hardware, 70cm	X	X				on request

\*All Non-Water Spring Columns are also available in ASFC versions

Repack Kits			
Description	25mm	50mm	101mm
Repack Kit with 2µm Frits	5111992	5111994	5111995
Repack Kit with 5µm Frits	5111993	5111997	5111996
Repack Kit with 1µm Frits for ASFC Columns	5121081	-	-



### Need a Media with Excellent Selectivity & Reproducibility for BioPurification?

#### Choose Reprosil Media

- New! Reprosil wide pore medias Purification Media
- Unique Selectivity and Exceptional Resolution
- Dependable Scale-up – Analytical to Process Scale

### Looking for High Purity Chromatography Media for Small and Large Molecules?

#### Choose Reprosil Silica

- Ideally Suited for Pharmaceutical Purification
- Wide Selection of Distinct Pore Diameters
- 1kg to Multi-Ton Quantities with Predictable Scale-Up

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Materials for  
Pharmaceutical  
Manufacturing



synthesis  
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technologies



formulation  
and delivery

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