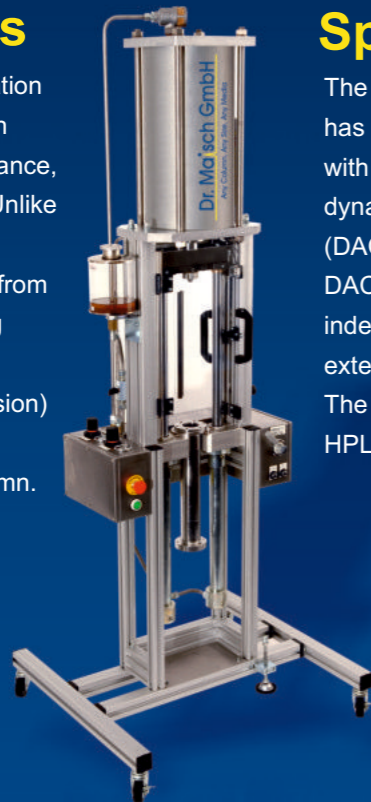


Modcol Multipacker and Spring® Columns

Easy self packing for 25, 50, 60, 70, 101 and 150 mm ID HPLC DAC columns

Multipackers

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.



Spring® Columns

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. The columns are suitable for HPLC and SFC.



Dr. Maisch GmbH

Any Column, Any Size, Any Media

PREP-COLUMNS

ID: 8 - 200 mm

Length: 50 - 500 mm

PACKING SERVICE

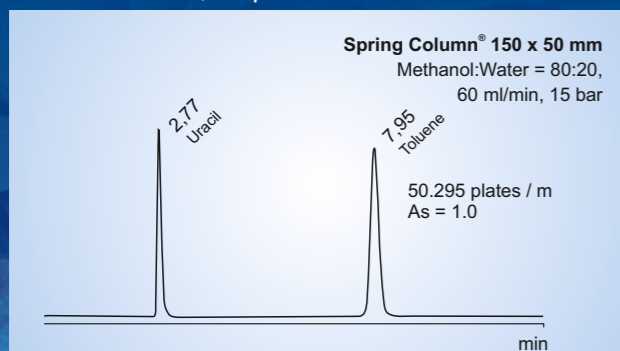
- REFILL
- COLUMN TESTING – QC
- HPLC – MPLC – LC
- SFC
- CHIRAL
- COLUMN PACKING DEVICES

BULK MATERIAL IN DIFFERENT PARTICLE- AND PORE-SIZES

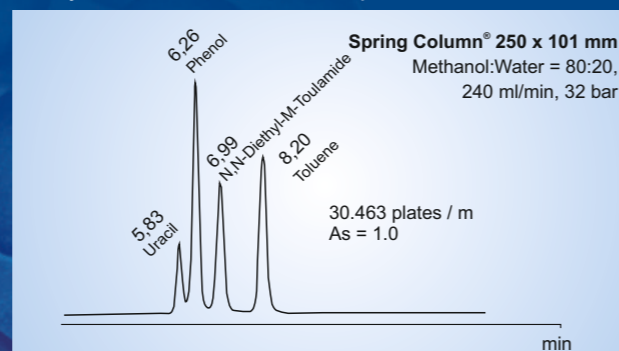
HUGE VARIETY OF MODIFICATIONS:
C30, C18, C8, PHENYL-HEXYL,
C4, C1, SAX, SCX, AMINO, CYANO,
HILIC, PEI, MIXED MODE,
AND MUCH MORE.



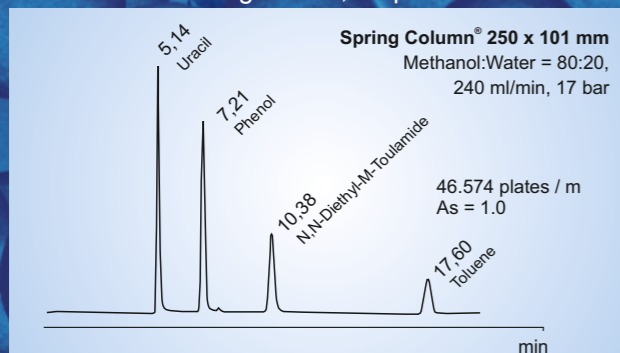
Exsil 100 C18, 10 µm



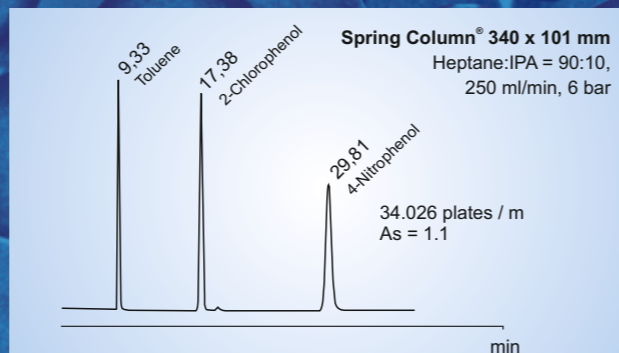
Vydac 218TP C18, 10-15 µm



Exsil Pure Paragon C18, 10 µm



Ecoprep 60 Diol, 10 µm



Dr. Maisch GmbH

GERMANY

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D-72119 Ammerbuch

Fon +49(0)7073 50 35 7
Fax +49(0)7073 42 16

EXPERTS FOR PREPARATIVE LC / HPLC & SFC

COLUMNS - TECHNOLOGY:

The best solution for every area:

Refillable - Patented flow and distribution geometry - Certified

STANDARD THREADED

Simple - cheap - good
Threaded columns are very well suited for inner diameter
≤ 40 mm ID: 8 - 10 - 16 - 20 - 25 & 30 mm



STANDARD FLANGE

Simple - cheap - good
Flange columns are best suited for inner diameter
≥ 40 mm ID: 40 - 50 - 60 - 70 - 80 - 100 - 150 - 200 mm



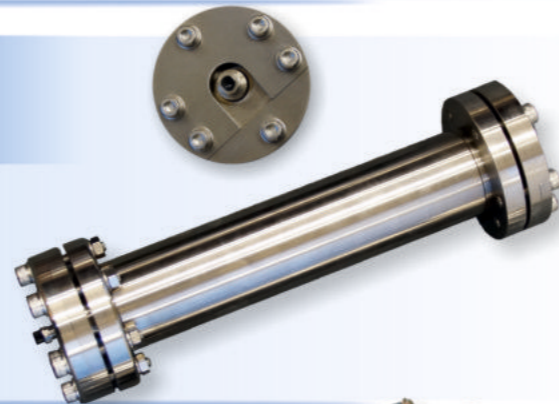
FLANGE - MANUALLY ADJUSTABLE OR AUTOADJUST

Good value for money, good flexibility
Flange columns are best suited for inner diameter
≥ 40 mm ID: 40 - 50 - 60 - 70 - 80 - 100 - 150 - 200 mm



LOGLIFE (ALSO FOR SFC)

SAC - Static axial compression
DAC - Dynamic axial compression
Extremely high performance and life time
Available ID: 25 - 30 - 40 - 50 - 70 mm



ModCol® Spring® Column (also for SFC)

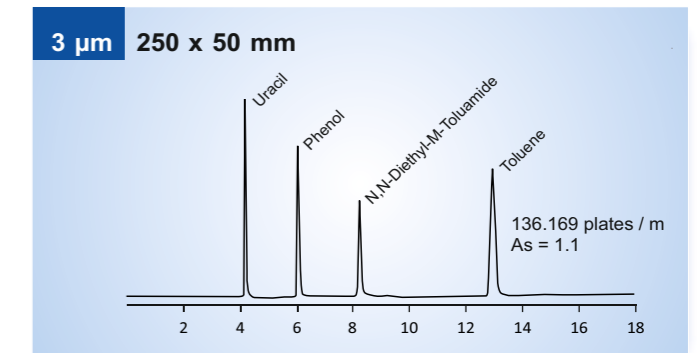
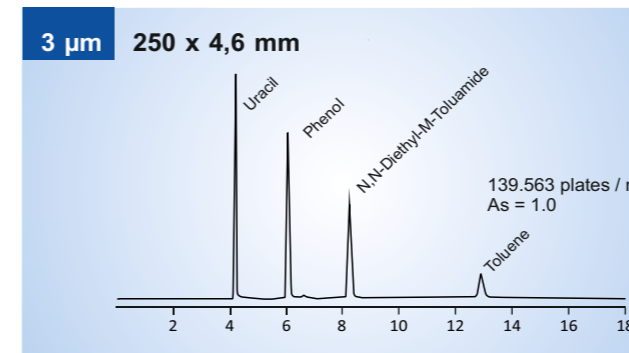
DAC at it's best - Highest performance and life time.
Possibility of self-packing with "ModCol Multipacker"
Available ID: 25, 50, 70, 101 & 150 mm



HIGH PERFORMANCE PREP LC

Exsil Pure Paragon C18, 3 μm – Up-Scale: 4.6 mm to 50 mm ID

Packed in LongLife hardware: same performance from 4.6 to 50 mm ID

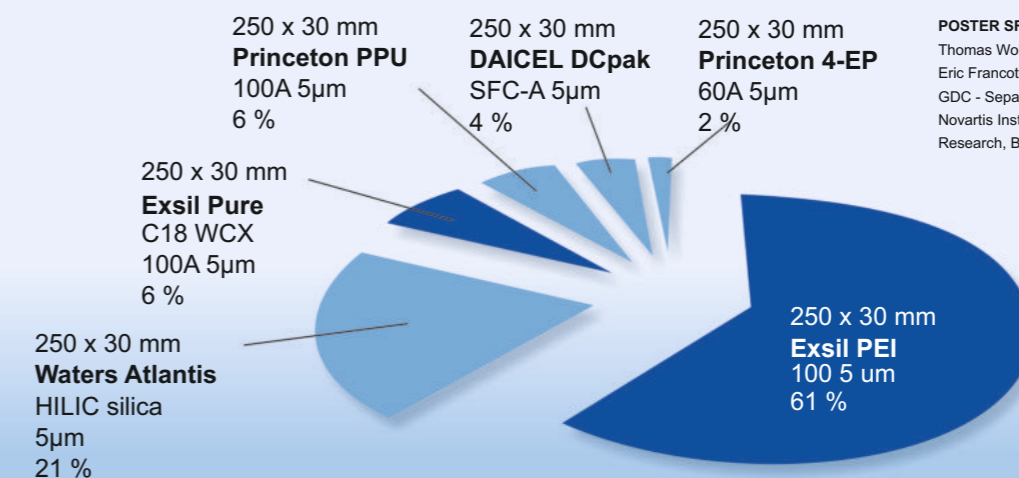


Conditions: Mobile Phase: MeOH/H₂O 80/20, Flow Rate: 60 ml/min @ 50 mm ID, Flow Rate: 0.5 ml/min @ 4.6 mm ID
Pressure: 197 bar, Detector: UV @ 254 nm

STATIONARY PHASES:

- Exsil 100 → Universe and low costs
- Exsil Pure 120 Paragon C18 → One of the best for peptides
- Exsil Plus C18 and oligonucleotides
- Exsil Pure 120 RP18
- Exsil Pure 300 C4, C8, C18, Diphenyl → For proteins
- Exsil Plus 300 C4, C8, C18, Diphenyl
- Chiral Bulk coated, immobilized and brush type
- SFC (PEI, EP, ARG, Mixed Mode C18 WCX, ...)

As we work without any additives, different column chemistries are needed to find the optimum resolution conditions. Over the last 6 years several stationary phases have been tested on different classes of compounds (from acidic to strongly basic compounds but also small linear and cyclic peptides). Two of those columns currently make up for 75% of successful separations.



POSTER SFC Wien 2016
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Eric Francotte, Trixie Wagner
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Novartis Institutes for BioMedical
Research, Basel Switzerland