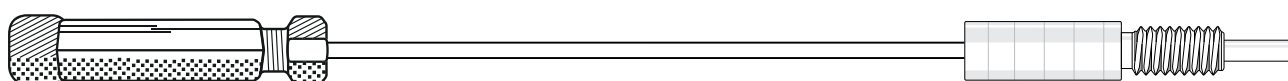


Dr. Maisch

Any Column, Any Size, Any Media



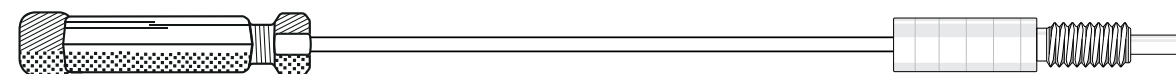
MySep

Pre-Packed Fritted Capillary, Female Inlet and Male Outlet
for Easy Connection

MADE BY DR. MAISCH

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**MYSEP
MADE BY DR. MAISCH**

From one of the biggest
High-Performance Liquid Chromatography (HPLC) and
Ultra High-Performance Liquid Chromatography (UHPLC)
Column Manufacturers in Europe.

MySep - Why Fritted Capillaries?

MySep columns are pre-packed fritted capillary columns without integrated emitters. This design provides maximum flexibility and long-term robustness in nano-LC-MS workflows.

Why MySep? - Built for High-Resolution Proteomics

MySep nano-LC columns are designed for advanced proteomics workflows requiring high sensitivity and reproducibility.

- Available Inner Diameters (ID):
 - 50 µm
 - 75 µm
 - 100 µm
 - 150 µm
- Available Column Lengths:
 - 50 mm to 500 mm

Key Advantages

- Zero Dead-Volume Female Inlet.

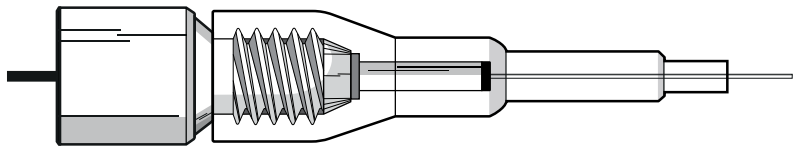


Figure 1: Dr. Maisch Column Coupler or Compatible Fitting and Female Inlet.

- Ensures Stable, Leak-Free Operation.
- Delivers Reliable Performance Under High Pressure (up to 1000 bar).
- Allows Effortless Connection to a Dr. Maisch Column Coupler or Compatible Fittings (e.g., Thermo Fisher Scientific NanoViper™ Fingertight).
- Provides Electrical Conductivity to Enable Voltage Transfer to the Column Inlet.
- Flexible Emitter Selection.
- Optimized for Demanding Proteomics Applications.

Each column features integrated 1/16” female inlet and male PEEK Fingertight Fitting on outlet, providing secure, leak-free, zero-dead-volume connection. This robust design prevents capillary slippage and ensures stable operation under high pressure – up to 1000 bar.

Why MySep from Dr. Maisch? - Premium Sub-2 µm C18 Materials

MySep columns are packed with high-performance, sub-2 µm C18 materials to ensure ultrahigh efficiency and stable MS performance.

Available Media:

- ReproSil-Pur 120 C18-AQ, 1.9 µm
 - Strong Retention of Hydrophilic Peptides and Excellent Aqueous Stability.
- ReproSil Saphir 100 C18, 1.5 µm
 - Maximum Efficiency with Low MS Bleed for Highly Sensitive Analyses.
- Exsil Mono 100 C18, 1.35 – 1.7 µm
 - Monodisperse Silica Technology for Exceptional Batch-to-Batch Consistency.

These materials provide:

- High Plate Counts.
- Excellent Peak Capacity.

Reliable performance across complex peptide mixtures.

Table 1: Available Media.

Media Code	Description
6136973	Exsil Mono 100 C18, 1.35 µm
5136782	Exsil Mono 100 C18, 1.5 µm
6136847	Exsil Mono 100 C18, 1.7 µm
ra115.9e	ReproSil Saphir 100 C18, 1.5 µm
r119.aq	ReproSil-Pur 120 C18-AQ, 1.9 µm

WHY MYSEP IN A MS SYSTEM?

Seamless Integration into Multi-Vendor Workflows

MySep capillary columns are fully compatible with all common nano- and capillary-LC platforms (e.g. Thermo Scientific® Vanquish™ Neo, Dionex® / UltiMate™ 3000, EASY-nLC™ 1000 / 1200, Bruker® nanoElute® 2, EVOSEP® ONE / EV1000 (incl. ENO configuration), Waters® ACQUITY™ (capillary-flow configurations)) and the following ion sources:

- Thermo Scientific® Ion Sources:
 - Nanospray Flex™
 - Easy-Spray™

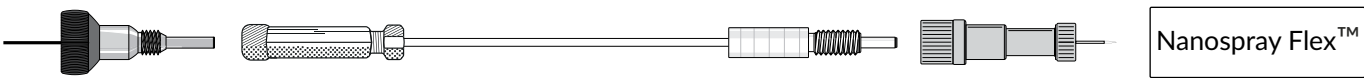


Figure 2: Connection of the MySep to a Nanospray Flex™ Ion Source.

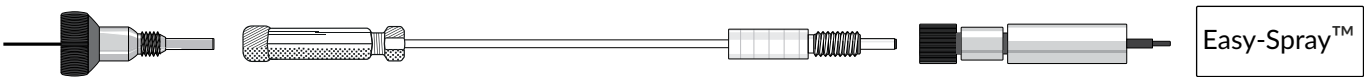


Figure 3: Connection of the MySep to an Easy-Spray™ Ion Source.

- Bruker® Ion Sources:
 - CaptiveSpray®
 - CaptiveSpray 2®
 - CaptiveSpray Ultra®

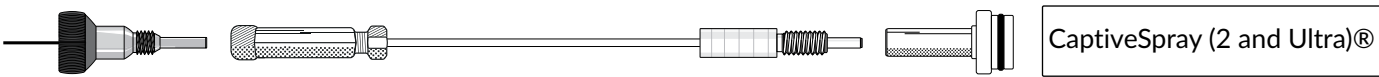


Figure 4: Connection of the MySep to a Bruker® CaptiveSpray (2 and Ultra)® Ion Source.

ALTERNATIVE TO PEPSEP® CAPILLARY COLUMNS FROM BRUKER®

Table 2: Capillary Columns from Bruker® and Dr. Maisch packed with ReproSil Saphir 100 C18, 1.5 µm.

Bruker®		Dr. Maisch		Length [mm]	ID [µm]
Part Number (PN)	Description	Part Number (PN)	Description		
1893626	PepSep® C18 15 cm × 50 µm, 1.5 µm	ra115.9e.fm150.050.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 50 µm	150	50
1893627	PepSep® C18 25 cm × 50 µm, 1.5 µm	ra115.9e.fm250.050.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 50 µm	250	50
1895803	PepSep® C18 10 cm × 75 µm, 1.5 µm	ra115.9e.fm100.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 75 µm	100	75
1893625	PepSep® C18 15 cm × 75 µm, 1.5 µm	ra115.9e.fm150.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75
1893484	PepSep® C18 25 cm × 75 µm, 1.5 µm	ra115.9e.fm250.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75
1895846	PepSep® C18 50 cm × 75 µm, 1.5 µm	ra115.9e.fm500.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 500 mm x 75 µm	500	75
1903885	PepSep® C18 5 cm × 150 µm, 1.5 µm	ra115.9e.fm050.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150
1893470	PepSep® C18 8 cm × 150 µm, 1.5 µm	ra115.9e.fm080.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 80 mm x 150 µm	80	150
1893483	PepSep® C18 10 cm × 150 µm, 1.5 µm	ra115.9e.fm100.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 150 µm	100	150
1893474	PepSep® C18 15 cm × 150 µm, 1.5 µm	ra115.9e.fm150.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150
1893476	PepSep® C18 25 cm × 150 µm, 1.5 µm	ra115.9e.fm250.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150
1895838	PepSep® C18 40 cm × 150 µm, 1.5 µm	ra115.9e.fm400.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 400 mm x 150 µm	400	150

ALTERNATIVE TO PEPSEP® CAPILLARY COLUMNS FROM BRUKER®

Table 3: Capillary Columns from Bruker® and Dr. Maisch packed with ReproSil-Pur 120 C18-AQ, 1.9 µm.

Bruker®		Dr. Maisch		Length [mm]	ID [µm]
Part Number (PN)	Description	Part Number (PN)	Description		
1893472	PepSep® C18 10 cm × 75 µm, 1.9 µm	r119.aq.fm100.075.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 100 mm x 75 µm	100	75
1893473	PepSep® C18 15 cm × 75 µm, 1.9 µm	r119.aq.fm150.075.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 150 mm x 75 µm	150	75
1893477	PepSep® C18 25 cm × 75 µm, 1.9 µm	r119.aq.fm250.075.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 250 mm x 75 µm	250	75
1895619	PepSep® C18 4 cm × 150 µm, 1.9 µm	r119.aq.fm040.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 40 mm x 150 µm	40	150
1893471	PepSep® C18 15 cm × 150 µm, 1.9 µm	r119.aq.fm150.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 150 mm x 150 µm	150	150
1893479	PepSep® C18 25 cm × 150 µm, 1.9 µm	r119.aq.fm250.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 250 mm x 150 µm	250	150

ALTERNATIVE TO ENDURANCE™ AND PERFORMANCE™ CAPILLARY COLUMNS FROM EVOSEP®

Table 4: Capillary Columns from Evosep® and Dr. Maisch packed with ReproSil Saphir 100 C18, 1.5 µm.

Evosep®		Dr. Maisch		Length [mm]	ID [µm]
Part Number (PN)	Description	Part Number (PN)	Description		
EV1109	Performance Column, 8 cm × 150 µm ID, 1.5 µm, ReproSil Saphir C18	ra115.9e.fm080.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 80 mm x 150 µm	80	150

Table 5: Capillary Columns from Evosep® and Dr. Maisch packed with ReproSil-Pur 120 C18-AQ, 1.9 µm.

Evosep®		Dr. Maisch		Length [mm]	ID [µm]
Part Number (PN)	Description	Part Number (PN)	Description		
EV1112	Performance Column, 15 cm × 75 µm ID, 1.9 µm, ReproSil-Pur C18	r119.aq.fm075.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 150 mm x 75 µm	150	75
EV1107	Endurance Column, 4 cm × 150 µm ID, 1.9 µm, ReproSil-Pur C18	r119.aq.fm040.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 40 mm x 150 µm	40	150
EV1106	Endurance Column, 15 cm × 150 µm ID, 1.9 µm, ReproSil-Pur C18	r119.aq.fm150.150.01	MySep, ReproSil-Pur 120 C18-AQ, 1.9 µm, 150 mm x 150 µm	150	150

ORDERING INFORMATION

Table 6: Ordering Information for MySep, 75 µm ID packed with ReproSil Saphir 100 C18, 1.5 µm.

Part Number (PN)	Description	Length [mm]	ID [µm]	Quantity
ra115.9e.fm050.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	1
ra115.9e.fm050.075.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	4
ra115.9e.fm050.075.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	10
ra115.9e.fm100.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 75 µm	100	75	1
ra115.9e.fm100.075.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 75 µm	100	75	4
ra115.9e.fm100.075.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 75 µm	100	75	10
ra115.9e.fm150.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	1
ra115.9e.fm150.075.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	4
ra115.9e.fm150.075.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	10
ra115.9e.fm250.075.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	1
ra115.9e.fm250.075.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	4
ra115.9e.fm250.075.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	10

ORDERING INFORMATION

Table 7: Ordering Information for MySep, 150 µm ID packed with ReproSil Saphir 100 C18, 1.5 µm.

Part Number (PN)	Description	Length [mm]	ID [µm]	Quantity
ra115.9e.fm050.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	1
ra115.9e.fm050.150.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	4
ra115.9e.fm050.150.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	10
ra115.9e.fm100.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 150 µm	100	150	1
ra115.9e.fm100.150.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 150 µm	100	150	4
ra115.9e.fm100.150.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 100 mm x 150 µm	100	150	10
ra115.9e.fm150.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	1
ra115.9e.fm150.150.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	4
ra115.9e.fm150.150.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	10
ra115.9e.fm250.150.01	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	1
ra115.9e.fm250.150.04	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	4
ra115.9e.fm250.150.10	MySep, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	10

Other dimensions available on request.

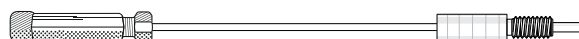
Table 8: Alternative Media.

Media Code	Description
6136973	Exsil Mono 100 C18, 1.35 µm
5136782	Exsil Mono 100 C18, 1.5 µm
6136847	Exsil Mono 100 C18, 1.7 µm
ra115.9e	ReproSil Saphir 100 C18, 1.5 µm
r119.aq	ReproSil-Pur 120 C18-AQ, 1.9 µm

Dr. Maisch

Any Column, Any Size, Any Media

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