

Dr. Maisch

Any Column, Any Size, Any Media



NanoFusion Sword

Pre-Packed Capillary, Female End Fitting at Inlet
for Easy Connection

MADE BY DR. MAISCH

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RELIABLE PERFORMANCE FOR PROTEOMICS &
KEY ADVANTAGES
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**NANOFUSION SWORD
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.

INTRODUCTION

RELIABLE PERFORMANCE FOR PROTEOMICS & KEY ADVANTAGES

Reliable Performance for Proteomics

NanoFusion Sword delivers dependable, high-quality separations tailored for modern proteomics workflows. Compatible with Nanospray Flex™ from Thermo Fisher Scientific.

Key Advantages

- Zero Dead-Volume Female Inlet.

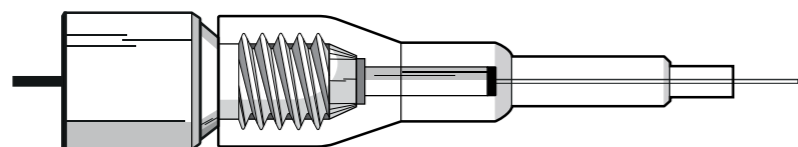


Figure 1: Dr. Maisch Column Coupler or Compatible Fitting and Female Inlet.

- 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.

- Robust, Integrated Emitter Design for Consistent Results.

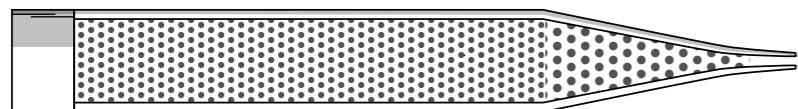


Figure 2: Integrated Emitter Design.

- Outstanding Price-to-Performance Ratio per Column.
 - Additional Attractive Price Discounts on 4- and 10-Column Packages.
- Reprosil Saphir 100 C18, 1.5 µm from Dr. Maisch.
 - A High-Performance 1.5 µm Packing Material that delivers Superior Chromatographic Performance with only a slight Increase in Backpressure Compared to 1.7 µm Media.

ALTERNATIVE TO AURORA® CAPILLARY COLUMNS FROM IONOPTICKS

Table 1: Capillary Columns from IonOpticks and Dr. Maisch.

IonOpticks		Dr. Maisch		Length [mm]	ID [µm]
Part Number (PN)	Description	Part Number (PN)	Description		
AUR4-5075C18	Aurora® Rapid™ 5×75 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt050.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75
AUR4-50150C18	Aurora® Rapid™ 5×150 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt050.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150
AUR4-15075C18	Aurora® Elite™ 15×75 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt150.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75
AUR4-150150C18	Aurora® Elite™ 15×150 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt150.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150
AUR4-250075C18	Aurora® Elite™ 25×75 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt250.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75
AUR4-250150C18	Aurora® Elite™ 25×150 C18 UHPLC Column, 1.7 µm, Generation 4	ra115.9e.fpt250.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150

ORDERING INFORMATION

Table 2: Ordering Information for NanoFusion Sword, 75 µm ID packed with ReproSil Saphir 100 C18, 1.5 µm.

Part Number (PN)	Description	Length [mm]	ID [µm]	Quantity
ra115.9e.fpt050.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	1
ra115.9e.fpt050.075.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	4
ra115.9e.fpt050.075.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 75 µm	50	75	10
ra115.9e.fpt150.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	1
ra115.9e.fpt150.075.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	4
ra115.9e.fpt150.075.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 75 µm	150	75	10
ra115.9e.fpt250.075.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	1
ra115.9e.fpt250.075.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	4
ra115.9e.fpt250.075.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 75 µm	250	75	10

ORDERING INFORMATION

Table 3: Ordering Information for NanoFusion Sword, 150 µm ID packed with ReproSil Saphir 100 C18, 1.5 µm.

Part Number (PN)	Description	Length [mm]	ID [µm]	Quantity
ra115.9e.fpt050.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	1
ra115.9e.fpt050.150.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	4
ra115.9e.fpt050.150.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 50 mm x 150 µm	50	150	10
ra115.9e.fpt150.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	1
ra115.9e.fpt150.150.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	4
ra115.9e.fpt150.150.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 150 mm x 150 µm	150	150	10
ra115.9e.fpt250.150.01	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	1
ra115.9e.fpt250.150.04	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	4
ra115.9e.fpt250.150.10	NanoFusion Sword, ReproSil Saphir 100 C18, 1.5 µm, 250 mm x 150 µm	250	150	10

Other dimension available on request.

Table 4: 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

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