



Evosep Pod for Thermo Nanospray Flex

User Manual

UM-021A

Evosep Pod Overview and Intended Use

The intended use of the EV1194 Evosep™ Pod for Thermo Nanospray Flex is to control the temperature of the analytical column during liquid chromatography - mass spectrometry (LC-MS) analysis. It is designed specifically to be used in combination with Evosep LC instrumentation, Evosep standard methods with specified analytical columns and emitters and Thermo Scientific™ MS detection. The Pod is intended to be used as part of a complete proteomic analysis workflow.

The Evosep Pod is intended to be used as General Laboratory Equipment (GLE).

Manufacturer	Evosep ApS Billedskærervej 15 5230 Odense Denmark
Support	support@evosep.com
Sales	sales@evosep.com



Evosep Pod Disclaimer

Evosep™ Pod for Thermo Nanospray Flex is designed, developed, and owned by Evosep™. The Pod is designed to work with Thermo Scientific™ Nanospray Flex™ ion source, which are owned and operated by Thermo Scientific™. Evosep™ is an independent entity and is not affiliated with, endorsed by, or sponsored by Thermo Scientific. All trademarks, product names, and logos associated with Thermo Scientific Nanospray Flex are the property of Thermo Scientific.

Use of the Pod in conjunction with Thermo Scientific Nanospray Flex sources is at the user's own discretion and risk. Evosep makes no warranties, express or implied, regarding the compatibility, performance, or safety of using the Pod with Thermo Scientific Nanospray Flex. We make no guarantees regarding compatibility, functionality, or continued support if Thermo Scientific Nanospray Flex ion sources undergo changes or are discontinued. Any issues, damages, or malfunctions arising from the use of Thermo Scientific Nanospray Flex ion sources are not the responsibility of Evosep.

The information contained in this Manual is provided for general guidance and reference purposes only. While every effort has been made to ensure the accuracy and completeness of the information, Evosep assumes no responsibility for any errors or omissions. Evosep shall not be held liable for any direct, indirect, incidental, or consequential damages resulting from the use or misuse of the Pod.

To ensure safety and proper functioning, the Pod must be used strictly in accordance with the instructions in this Manual. Any unauthorized modifications, alterations, or use outside the intended purpose will void warranties and may result in unsafe conditions.

Technical Specifications

Specifications	Value	
Pod Temperature	40 °C	104 °F
Power Supply	24VDC/20W From Evosep Eno instrument	
Operating Conditions	Normal laboratory environment conditions Indoor use only Altitude up to 2000 m (6562 ft) Temperature 15 – 30 °C (59 – 86 °F) ambient For analytical specifications: 22 ± 3 °C (72 ± 6 °F) Temperature fluctuations < 1 °C/hr (< 2 °F/hr) 20-80 % relative humidity, non-condensing	
Unit dimensions	36 x 175 x 47 mm	1.42 x 6.89 x 1.85 in
Weight	150 g	5.3 oz
Compatible Ionization Source(s)	Thermo Scientific™ Nanospray Flex™ ion source	

Safety Information

For safety considerations and instructions for use of the Thermo Scientific™ Nanospray Flex™ ion source refer to the Thermo Scientific Nanospray Flex manual. If the Pod is used in a manner not specified by this Pod manual, the protection provided by the equipment may be impaired.



Avoid touching the heater's union or emitter and keep the lid closed while the MS is running.

Parts required (additional to Evosep Eno and MS)

EV1194 Evosep Pod for Thermo Nanospray Flex

Thermo Scientific™ Nanospray Flex™ ion source

EV1192 Adapter for Evosep Pod Waters NanoLockSpray and Thermo Nanospray Flex

Evosep Performance Columns EV1182, EV1109, EV1137

EV1086 Stainless steel emitters



Product Label Descriptions

SN

Serial Number

#

Brand and Product Name

REF

Evosep Part Number



CE Mark



The product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.



Consult instructions for use



Country of manufacture & Year of manufacture

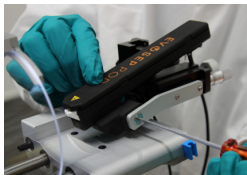


Manufacturer

Installation

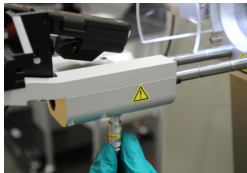
Step 1

Install the Evosep Pod to the Thermo Nanospray Flex Ion Source with the screw.



Step 2

Plug the connector into the high-voltage outlet below the source.



Step 3

Connect the cable to the control unit and connect the control unit to the Evosep Eno.

The Pod will now heat up to 40 °C. When the LED on the control unit gives a constant green light, the Pod is ready for use.



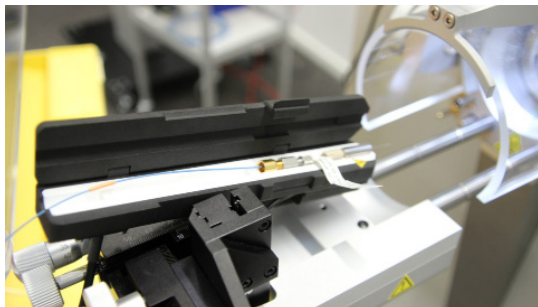
Operation

1. Assemble the Evosep transfer line, analytical column, emitter and adapter assembly
2. Open the Evosep Pod lid, insert the column, emitter and adaptor and close the lid.



Troubleshooting

For troubleshooting go to:
www.evosep.com/support/documentation



After use

- After LC-MS analysis is completed the pod lid can be opened and the column, emitter and adapter assembly can be taken out for storage.
- To turn off the Pod disconnect the cable to the Evosep Eno instrument.
- To remove the Pod open the lid and remove the column, emitter and adapter assembly, disconnect the Pod cable, high voltage cable and unscrew from the Thermo Scientific Nanospray Flex source.

Storage, Cleaning, Maintenance and Disposal

- The Pod is to be used and stored under the conditions in the technical specifications.
- When removed and disconnected, the Pod outer surface can be wiped clean with water and a tightly wrung out microfiber cloth. Do not use detergents or allow the Pod to get wet.
- Upon failure of the Pod it is to be disposed of and replaced.
- Disposal is to be in accordance with local regulations.