EVOSEP

Evosep Pod for Thermo Nanospray Flex

User Manual

UM-021B

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 Evosep 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).

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Evosep Pod Disclaimer

Evosep Pod for Thermo Nanospray Flex is designed, developed, and owned by Evosep. The Evosep 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 Evosep 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 Evosep 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 Evosep Pod.

To ensure safety and proper functioning, the Evosep 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	
Evosep Pod Temperature	40 ºC	104 ºF
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 Evosep Pod is used in a manner not specified by this Evosep 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
				

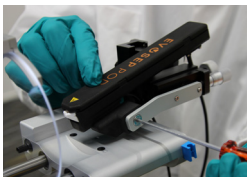
Product Label Descriptions

SN	Serial Number	#	Brand and Product Name
REF	Evosep Part Number	CE	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
DK 2025	Country of manufacture & Year of manufacture		Manufacturer

Installation

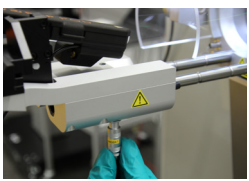
Step 1

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.



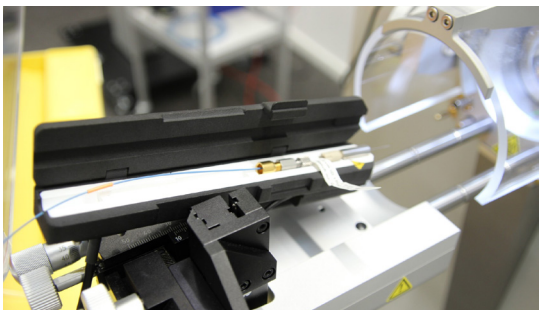
Step 3

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

The Evosep Pod will now heat up to 40 °C. When the LED on the control unit gives a constant green light, the Evosep 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 Evosep Pod lid can be opened and the column, emitter and adapter assembly can be taken out for storage.
- To turn off the Evosep Pod disconnect the cable to the Evosep Eno instrument.
- To remove the Evosep Pod open the lid and remove the column, emitter and adapter assembly, disconnect the Evosep Pod cable, high voltage cable and unscrew from the Thermo Scientific Nanospray Flex source.

Storage, Cleaning, Maintenance and Disposal

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

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