EVOSEP

# Evosep Pod for Agilent Nanospray

User Manual

UM-019B

## Evosep Pod Overview and Intended Use

The intended use of the EV1191 Evosep™ Pod for Agilent Nanospray 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 Agilent 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 Agilent Nanospray is designed, developed, and owned by Evosep. The Evosep Pod is designed to work with Agilent Nanospray sources, which are owned and operated by Agilent. Evosep is an independent entity and is not affiliated with, endorsed by, or sponsored by Agilent.

All trademarks, product names, and logos associated with Agilent Nanospray are the property of Agilent. Use of the Evosep Pod in conjunction with Agilent Nanospray 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 Agilent Nanospray. We make no guarantees regarding compatibility, functionality, or continued support if Agilent Nanospray Sources undergo changes or are discontinued. Any issues, damages, or malfunctions arising from the use of Agilent Nanospray 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.

## Evosep Pod 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<br>Indoor use only Altitude up to 2000 m (6562 ft)<br>Temperature 15 – 30 °C (59 – 86 °F) ambient<br>*For analytical specifications: 22 ± 3 °C (72 ± 6 °F)*<br>Temperature fluctuations < 1 °C/hr (< 2 °F/hr)<br>20-80 % relative humidity, non-condensing | |
| **Unit dimensions** | 30 x 175 x 22 mm | 1.18 x 6.89 x 0.87 in |
| **Weight** | 90 g | 3.2 oz |
| **Compatible Ionization Source(s)** | Agilent Nanospray ionization source | |

## Safety Information

For safety considerations and instructions for use of the Agilent Nanospray ionization source refer to the Agilent Nanospray 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.

## Parts required (additional to **Evosep Eno** and MS)

| EV1191 Evosep Pod for Agilent Nanospray | Agilent Nanospray ionization source | EV1193 Evosep Pod Agilent Nanospray adapter (included) | Evosep Performance Columns EV1182, EV1109, EV1137 | EV1117 Evosep XL Emitter |
|---|---|---|---|---|
|  |  |  |  |   |

## 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 |

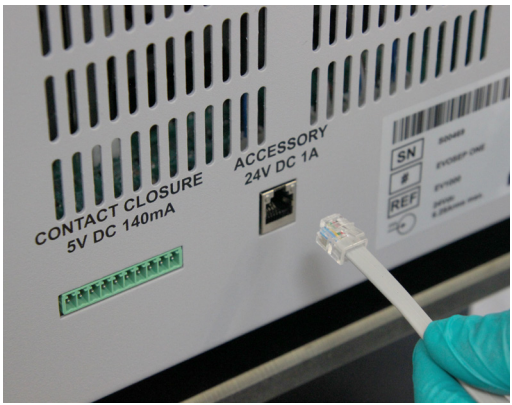
## Installation

### Step 1

Connect the Evosep Pod cable to the control unit.

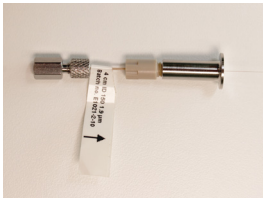

### Step 2

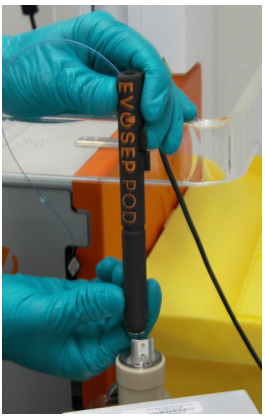
Connect the grey cable to the Evosep Eno accessory port The Evosep Pod will now heat up to 40 °C. When the LED on the control unit gives a constant green light, the Evosep Pod is ready for use.

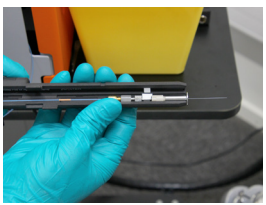


## Operation

1. Assemble the Evosep transfer line, analytical column, emitter and adapter according to the Evosep instrument Advanced User Guide: www.evosep.com/support/documentation
2. Cut the label off the column (due to the tight fit inside the Evosep Pod) and store this label if required
3. Open the Evosep Pod, insert the column, emitter and adaptor assembly and close the lid
4. Care is needed when inserting the Evosep Pod assembly perpendicularly into the source to avoid emitter damage





## Troubleshooting

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

## After use

- To turn off the Evosep Pod disconnect the cable to the Evosep Eno instrument.
- To remove the Evosep Pod disconnect the cable from the controller, take the Evosep Pod out from the Agilent Nanospray source, open the lid and remove the column, emitter and adapter assembly.
- After LC-MS analysis is completed the Evosep Pod can be taken out from the source, opened and the column, emitter and adapter assembly removed for storage.

## 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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