The ADPC-NS2 Nanospray Adapter enables the use of PicoFrit® Columns on the ABI Nanospray II source supplied on the QSTAR, QTARP 3000/4000 model mass spectrometers. The ADPC-NS2-3 and ADPC-NS2-4 adapter models differ only that the adapter for 4000 model mass spectrometers require a high-voltage power adapter to enable connectivity to the NSII source.

**Adapter Assembly**

1. **ADPC-NS2-4 Only**
   - Attach Velcro tab to front face of the Nanospray II source base (ADPC-NS2-4 only)

2. **ADPC-NS2-4 Only**
   - Remove the lid from the power adapter (ADPC-NS2-4 only)
Secure the UTM base to the Nanospray II source using supplied screws

Loosen the empty terminal screws within the power adapter box (ADPC-NS2-4 only)

Remove paper from Velcro tab; attach power adapter box to Velcro tab (ADPC-NS2-4 only)

Close and secure power adapter lid using supplied screws (ADPC-NS2-4 only)

Attach power lead from the Nanospray II source to the empty terminals in the power adapter. Tighten terminal screws (ADPC-NS2-4 only).

Remove paper from Velcro tab; attach power adapter box to Velcro tab (ADPC-NS2-4 only)

Secure the UTM base to the Nanospray II source using supplied screws

Place the tip holder on the Nanospray II source in the desired position.
9 ADPC-NS2-3 and -4 models

Plumb your PicoFrit Column into the PEEK union (refer to Making Connections). Place the PEEK union with loaded PioFrit Column in the tip holder.

10 ADPC-NS2-3 and -4 models

Secure the tip holder in the desired position using supplied thumbscrew.

11 ADPC-NS2-3 and -4 models

Tighten the locking screw to secure the union in place.

12 ADPC-NS2-3 and -4 models

Place the UTM on the base. Measure, trim, and plumb the inlet end of the PicoFrit Column into the microtee along with the transfer line (refer to Making Connections for plumbing the tee).

13 ADPC-NS2-3 and -4 models

Insert the plumbed microtee into the UTM and affix the lid using a long thumbscrew. Attach the UTM to the base using the second long thumbscrew.

14 ADPC-NS2-3 and -4 models

Connect the HV power cable.


**Accessories and Replacement Parts**

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<td>MICT-PV</td>
<td>Conductive microtee</td>
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<tr>
<td>ADPC-NS2-PWR</td>
<td>Power adapter for ADPC-NS2-3</td>
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<td>Enables use of ADPC-NS2-3 with NSII source on ABI 4000-equipped mass spectrometers</td>
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**Contact New Objective**

Customer Support - Available Monday - Friday; 9:00 a.m. - 6:00 p.m. ET

Telephone: 1 888 220 2998 Toll Free U.S. Only  
+1 781 933 9560  
Email: techsupport@newobjective.com

Sales - Available Monday - Friday; 9:00 a.m. - 5:00 p.m. ET

Telephone: 1 888 220 2998 Toll Free U.S. Only  
+1 781 933 9560  
Fax: +1 781 933 9564  
Email: sales@newobjective.com

Postal Mail  
New Objective, Inc.  
2 Constitution Way  
Woburn, MA 01801 USA

Worldwide Web  
www.newobjective.com