

AZURA® Heat Exchanger Supplement

The combination of elevated column temperatures ($\geq 30\text{ }^{\circ}\text{C}$) and the usage of the Analytical AZURA® PressureProof UV Flow Cell Cartridge (Article No.: AMC38) may result in increased long-term baseline noise and fluctuations on the baseline. To improve the performance of the HPLC system under these conditions KNAUER has developed an external heat exchanger, which is installed between the column outlet and the flow cell inlet. With this heat exchanger, it is possible to reduce the effect of elevated column temperatures on the baseline of the chromatogram.



Note: KNAUER recommends the usage of the AZURA® Heat Exchanger for applications that are run at a column temperature of $30\text{ }^{\circ}\text{C}$ and higher.

Installation:

1. Mount the AZURA® Heat Exchanger onto the detector. It can be mounted to the detector via its magnets. It is recommended to place the heat exchanger at the front of the detector next to the flow cell.
2. Connect the capillary from the column outlet to the inlet of the heat exchanger. The inlet is marked with "I".
3. Connect the capillary supplied with the heat exchanger to the outlet of the heat exchanger. The outlet is marked with "O".
4. Connect the capillary coming from the outlet of the AZURA® Heat Exchanger with the inlet of the flow cell. The inlet of the flow cell is marked with "I".