

Instruction Sheet

PharmaFluidics μ PAC™ $\frac{1}{16}$ " Connecting PEEKsil™ capillary

Accessories

Connect it! with the μ PAC™ $\frac{1}{16}$ " Connecting PEEKsil™ capillary

P/N: ACC-capillary

Connecting the μ PAC™ column to a normal HPLC 6 or 10-port switching/injection valve is achieved with standard $\frac{1}{16}$ " HPLC fittings. The μ PAC™ column is connected to the HPLC valve with a 25 μ m internal diameter (I.D.) \times 25 cm PEEKsil™ capillary. One end of the capillary has a $\frac{1}{16}$ " pre-assembled fitting (to valve) that is compatible with most HPLC systems. The other end of the capillary has a $\frac{1}{32}$ " pre-assembled fitting (to μ PAC™ column).

Connect the PEEKsil™ capillary to the appropriate position in the injection valve. Ensure that the fitting is finger tight only. **Do not overtighten!**

Connect the stainless steel zero-dead-volume (ZDV) inlet union of the μ PAC™ column to the PEEKsil™ capillary. Ensure that the fitting is finger tight only. **Do not overtighten!**

Initiate solvent flow (0.5 μ L/min) to assess that the connections have been correctly configured (*i.e.*, no leaking). For the 50 cm and 200 cm μ PAC™ columns, the column back pressure should be 40 to 80 bar and 100 to 150 bar, respectively. Solvent droplets should appear from the blue PEEK capillary on the outlet side of the μ PAC™ column.



Never remove the fittings that are provided on the PEEK tubing extending from the aluminium housing of the μ PAC™ column, nor cut the PEEK tubing. This will damage the μ PAC™ column and prevent further use.