

## KAPPA Capillary HPLC Columns



- High efficiency capillaries for high performance, sensitive separations
- 500, 320, 180, 100 & 75µm ID capillaries
- Available in a wide range of Thermo Scientific phases
- Rugged sleeved design for robustness
- 180µm ID flexible KAPPA for Finnigan™

Capillary and nanobore columns are ideal for applications which require high sensitivity. However, in order to take full benefit of the improvement in performance when capillary and nanobore columns are used, band dispersion, which causes sample dilution and loss of sensitivity, needs to be minimized. Using short lengths of capillary connecting tubing and optimal injection volumes can minimize extra-column band dispersion in LC/MS analysis.

Designed to give exceptional results under demanding LC/MS conditions, KAPPA capillary and nanobore columns are manufactured from inert tubing with internal diameters of 500, 320, 180, 100 and 75µm. Lengths are available in 50, 100, 150 and 250mm, as well as 30mm guard columns (500, 320 and 180µm ID) for extending analytical column lifetime. All columns terminate in unions that are compatible with 10-32 male nuts and 1/16" OD capillary tubing. The stainless steel sleeve makes KAPPA columns robust and easy to handle.



KAPPA capillary and nanobore columns are available in a wide variety of Thermo Scientific phases, including BioBasic, HyPURITY, BetaBasic and Hypercarb packings. If you do not see the phase or dimension you are interested in, please inquire. KAPPA capillaries are also available in a flexible fused silica design with 1/32" PEEK fittings at both ends of the column to connect to the 10-port switching valves. KAPPA capillary and nanobore columns are ideal for high sensitivity LC/MS applications when sample size is limited. KAPPA column sizes are ideal to use with microelectrospray and nanospray. Analytes at the picomole and femtomole levels can easily be detected, identified and quantified.

KAPPA capillary guards are designed to extend the lifetime of KAPPA columns. They protect the analytical column from particulates and from contamination from the sample or mobile phases. KAPPA guards are available in 30mm length and 500, 320 and 180µm IDs. Please contact your local Thermo Fisher Scientific office for more information.