

Installation instructions for UniJet Guard Columns

MF-8970 revised 12/12/02

UniJet guard columns are used for protecting UniJet microbore columns. The 14 X 1.0 mm columns are slurry packed with different materials such as C₁₈ 3µm, C₁₈ 5µm, C₈ 3µm, C₈ 5µm, phenyl 5µm, Al₂O₃-CN 8µm, C₈ 7µm 300Å, C₂ 3µm, C₂ 5µm, CN 3µm, silica 3µm, silica 5µm and organic polymer for ACh/Ch, etc.

Installation Procedures

1. Insert a UniJet guard column into a plastic ferrule.
2. Insert the ferrule into the provided special Uni-Nut. Be sure that at least half of the column is outside the ferrule.
3. Directly mount the guard column into an injector or a union depending on the LC system. While screwing the nut, use a UniJet column to push the guard column down into the port in order to avoid a dead volume. CAUTION: Though metal ferrules should not be used in PEEK valves, a metal bushing(nut) and PEEK ferrule can be used with CAUTION. ALWAYS start and initially tighten the UniNut by hand; ensure that the UniNut is not cross-threaded. The UniNut should/must rotate smoothly with NO BINDING. Continue to finger tight and then complete a leak-proof fitting with the use of a wrench. DO NOT be heavy handed, since the PEEK threads can be stripped.
4. Use a second Uni-Nut (MR-4068) or a fingertight nut (MF-4165 or MR-4408) to connect the UniJet analytical column to the guard column. The ends of the two columns should be touching to avoid a dead volume.

