

## Application Note

### INTRODUCTION

The Deans\* principle is to control the pressure between two columns and direct the effluent of a (pre-) column to several, usually two, columns. Using a pre-column and an analysis column of a very different nature - a polar and a non-polar column – components are separated. \* (Chromatographia, 1 (1968), 18).

Based on 20+ years of experience in Deans systems, AC made modifications to the capillary flow bracket to improve user friendliness. The specially designed AC finger tight nuts allow easy and fast replacement of the capillary columns.

The improved capillary flow (microfluidic) connections will be used for all standard and customized AC Solutions using capillary flow techniques.



Partnumber	Description
70.40.500	AC Handtight MicroFluidic Nut
21040.021	Siltite Ferrules,0.8mm, for Widebore Stainsteel Column, 10 pcs
21040.022	Siltite Ferrules, for 0.53mm Column, 10 pcs
21040.023	Siltite Ferrules, for 0.32mm Column, 10 pcs
21040.024	Siltite Ferrules, for 0.1-0.25mm Column, 10 pcs

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AC1005

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In close cooperation with our end users, AC introduces innovative applications that are globally approved by ASTM, CEN, DIN, GPA, IP, ISO and UOP standardization organizations.

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