

Perhitungan konversi kolom:

1. Kolom Kadar

Panjang kolom (L) 150 mm
Ukuran partikel (dp) 4 um
Pengisi C18
Maka: L/dp = 150/4
37.5 x 1000(±25-50%)
28.125-56.250

2. Kolom Disolusi

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Ukuran partikel (dp) 4 um
Pengisi C18
Maka: L/dp = 150/4
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28.125-56.250

Internal 150 mm x3.9 mm, 5 um (L1)
= 150/5
30.000 (MS)
$$F_2 = F_1 \frac{dc_2^2 dp_1}{dc_1^2 dp_2} = 1 \times \frac{3.9 \times 3.9 \times 4}{3.9 \times 3.9 \times 5}$$

= 0,8 ± 50%
= 0.4-1.2
= **0.8 (MS)**

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