**flow resistance parameter, \( \Phi \)**

*in chromatography*

A term used to compare packing density and permeability of columns packed with different particles; it is dimensionless.

\[
\Phi = \frac{d_p^2}{B_0}
\]

where \( d_p \) is the average particle diameter. In open-tubular columns \( \Phi = 32 \).

**Source:**