**interparticle volume of the column, \( V_0 \)**

*in chromatography*

The volume occupied by the mobile phase between the particles in the packed section of a column. It is also called the interstitial volume or the void volume of the column. In liquid chromatography, the interparticle volume is equal to the mobile-phase hold-up volume (\( V_M \)) in the ideal case, neglecting any extra-column volume. In gas chromatography, the symbol \( V_G \) may be used for the interparticle volume of the column. In the ideal case, neglecting any extra-column volume, \( V_G \) is equal to the corrected gas hold-up volume (\( V_M^0 \)).

\[
V_G = V_M^0 = V_{Mj}
\]