

**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 ( $V_M^0$ ).

$$V_G = V_M^0 = V_{Mj}$$