

interparticle volume of the column (in chromatography), V_0

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 holdup 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).

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