

**corrected retention volume (in gas chromatography)**

The corrected retention volume,  $V_R^0$ , is given by

$$V_R^0 = jV_R$$

where  $j$  is the pressure gradient correction factor for a homogeneously filled column of constant diameter and  $V_R$  is the *retention volume*.

This quantity is of limited use because it is influenced by the volumes of the sample injector and detector, as well as the interstitial volume of the column.

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