

Table 5.7**van der Waals Constants for Some Gases**

Gas	<i>a</i>	<i>b</i>
	L² • atm/mol²	L/mol
Carbon dioxide, CO ₂	3.658	0.04286
Ethane, C ₂ H ₆	5.570	0.06499
Ethanol, C ₂ H ₅ OH	12.56	0.08710
Helium, He	0.0346	0.0238
Hydrogen, H ₂	0.2453	0.02651
Oxygen, O ₂	1.382	0.03186
Sulfur dioxide, SO ₂	6.865	0.05679
Water, H ₂ O	5.537	0.03049

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