

Values of R (Gas Constant)

<u>Value</u>	<u>Units (V.P.T⁻¹ .n⁻¹)</u>
8.314 4621(75)	J K ⁻¹ mol ⁻¹
5.189 × 10 ¹⁹	eV K ⁻¹ mol ⁻¹
0.082 057 46(14)	L atm K ⁻¹ mol ⁻¹
1.985 8775(34)	cal K ⁻¹ mol ⁻¹
1.985 8775(34) × 10 ⁻³	kcal K ⁻¹ mol ⁻¹
8.314 4621(75) × 10 ⁷	erg K ⁻¹ mol ⁻¹
8.314 4621(75)	L kPa K ⁻¹ mol ⁻¹
8.314 4621(75)	m ³ Pa K ⁻¹ mol ⁻¹
8.314 4621(75)	cm ³ MPa K ⁻¹ mol ⁻¹
8.314 4621(75) × 10 ⁻⁵	m ³ bar K ⁻¹ mol ⁻¹
8.205 746 × 10 ⁻⁵	m ³ atm K ⁻¹ mol ⁻¹
82.057 46	cm ³ atm K ⁻¹ mol ⁻¹
84.784 02 × 10 ⁻⁶	m ³ kgf/cm ² K ⁻¹ mol ⁻¹
8.314 4621(75) × 10 ⁻²	L bar K ⁻¹ mol ⁻¹
62.363 67(11)	L mmHg K ⁻¹ mol ⁻¹
62.363 67(11)	L Torr K ⁻¹ mol ⁻¹
6.132 440(10)	ft lbf K ⁻¹ g-mol ⁻¹
1,545.348 96(3)	ft lbf °R ⁻¹ lb-mol ⁻¹
10.731 59(2)	ft ³ psi °R ⁻¹ lb-mol ⁻¹
0.730 2413(12)	ft ³ atm °R ⁻¹ lb-mol ⁻¹
1.314 43	ft ³ atm K ⁻¹ lb-mol ⁻¹
998.9701(17)	ft ³ mmHg K ⁻¹ lb-mol ⁻¹
1.986	Btu lb-mol ⁻¹ °R ⁻¹

(Wikipedia 2012)