

CONVERSION FACTORS

Measure	Values	Values	Values
1 petroleum barrel	42 imperial gallons	159 lit	50.4 US gallons
1 beverage barrel	31 imperial gallons	117.4 lit	37.2 US gallons
1 ounce	28.41 ml	2 tablespoons	-
1 pint	20 ounces	0.568 litre	-
1 gallon	4.54 lit	-	-
1 cent (land area)	435.6 ft ²	40.48 m ²	-
1 mile ²	640 ac	259 ha	2.59 km ²
1 chain	22 yards	20 m	-
1 ac (100 cent)	4 840 yard ²	0.4047 ha	100 chain ²
1 km ²	100 ha	0.386 mile ²	247 ac
1 mile = 8 furlongs	1.609 km	5 280 ft	80 chains
1 ft ³	28.32 lit	6.229 gallons	-
1 kg cm ⁻²	14.2 lb.in ⁻²	32.8 feet water	29 inch mercury
1 tablespoon	½ ounce	14.22 ml	1.73 in ³
1 drop	0.06 ml	-	-
1 ml	17 drops	-	-
1 m ³	6.29 barrel	-	-
1 poise	0.1 NS m ⁻²	0.1 mpas	-
1 micron	0.001 mm	-	-
1 pawan (gold measure)	7.9 g	26.5 saga	-
1 kilo calorie	4.2 kJ	-	-
1 RT (cooling water tower)	13 lit min ⁻¹	-	-
1 m.s plate 3mm x 1m ²	245 kg	-	-
1 nano metre	10 ⁻⁹	1 milli-micron	-
Air density at sea level	1.225 kg m ⁻³	-	-
1 British thermal unit (BTU)	778 foot ponds (f)	-	-
1 bar	10 ⁵ pascal	750 mm Hg	10.2 m water
1 bar	1.02 kg cm ²	14.5 psi	0.987 atmos
1 calorie	heat required to raise temperature of 1 g of water through 1°C		
1 Joule	1 Newton metre	-	-
1 mm Hg pressure	133.3 pascal	-	-
1 mm of water pressure	0.980665 pascal	-	-
1 CHU kg ⁻¹	1.8 BTU hr ⁻¹	0.4536 kJ hr ⁻¹	-
1 hp	1.039 metric hp	0.746 kW	550 ft.lbs kg ⁻¹
1 hp	1414 CHU hr ⁻¹	2525 BTU hr ⁻¹	-
1 kWhr	3.6 kJ	-	-
1 CHU ft ² hr	5 678 W m ² hr	-	-
1 RT (refrigeration tonne)	12 000 BTU hr ⁻¹	-	-
Air conditioning 1 ft ³ needs	5 BTU	-	-