

Conversion factors used in the Energy Field

Volume (liquids)		
Input unit	Output unit	Multiply by
barrels (b)	gallons (gal)	42.0
barrels (b)	liters (l)	158.987304
barrels (b)	cubic meters (m³)	0.158987304
liters (l)	barrels (b)	0.00628981041
liters (l)	gallons (gal)	0.264172037284185
liters (l)	cubic meters (m³)	0.001
cubic meters (m³)	barrels (b)	6.28981041
cubic meters (m³)	gallons (gal)	264.172037284185
cubic meters (m³)	liters (l)	1000.0
gallons (gal)	barrels (b)	0.023809524
gallons (gal)	liters (l)	3.785412
gallons (gal)	cubic meters (m³)	0.003785412

Volume (gas)		
Input unit	Output unit	Multiply by
cubic meters of gas (m³G)	cubic feet (ft³)	35.314455
cubic feet (ft³)	cubic meters of gas (m³G)	0.02831701636

Continuation

Weight		
Input unit	Output unit	Multiply by
kilograms (kg)	pounds (lb)	2.204622719056
kilograms (kg)	short tons (st)	0.0011023113595
kilograms (kg)	tonnes (t)	0.001
kilograms (kg)	long tons (lt)	0.000984207407932
tonnes (t)	pounds (lb)	2204.622719056
tonnes (t)	kilograms (kg)	1000.0
tonnes (t)	short tons (st)	1.1023113595
tonnes (t)	long tons (lt)	0.9842074007932
short tons (st)	pounds (lb)	2000.0
short tons (st)	kilograms (kg)	907.1847
short tons (st)	tonnes (t)	0.9071847
short tons (st)	long tons (lt)	0.892857142847143
long tons (lt)	pounds (lb)	2240.0
long tons (lt)	kilograms (kg)	1016.046
long tons (lt)	short tons (st)	1.12
long tons (lt)	tonnes (t)	1.016046
pounds (lb)	kilograms (kg)	0.45359235
pounds (lb)	short tons (st)	0.0005
pounds (lb)	tonnes (t)	0.00045359235
pounds (lb)	long tons (lt)	0.0004464

Continuation

Energy		
Input unit	Output unit	Multiply by
British thermal unit (Btu)	calories (cal)	252.0
British thermal unit (Btu)	joules (J)	1055.05585262
joules (J)	British thermal unit (Btu)	0.000947817120313
joules (J)	calories (cal)	0.238845896627
joules (J)	Watt-hour (Wh)	0.0002777778
Petajoules (PJ)	Watt-hour (Wh)	277777800000.00
calories (cal)	British thermal unit (Btu)	0.003968254
calories (cal)	joules (J)	4.1868
watt-hour (Wh)	joules (J)	3600
watt-hour (Wh)	petajoules (PJ)	0.00000000000036

Others		
Input unit	Output Unit	Multiply by
inch (in)	meters (m)	0.0254
meters (m)	inches (in)	39.3701
saybolt universal second (SSU)	pascal second (Pas)	$(0.0022(SSU) - 1.8/SSU) \cdot p^{(0.1)}$
centistoke (cSt)	square meters (m ²)/second (s)	0.000001
inch of water (inH₂O)	pascal (Pa)	248.84
horsepower (hp)	watt (W)	746

Natural gas equivalence		
Input unit	Output unit	Multiply by
Standard cubic meters* (sm³)	Pemex cubic meters** (Gm³)	1.0491
Pemex cubic meters** (Gm³)	Megacalories (Mcal)	9.0
Ing cubic meters*** (m³)	Ing tonnes (t)	0.45
Ing cubic meters*** (m³)	Pemex cubic meters** (Gm³)	645

* Standard conditions at 15.5 °C and 760 mmHg.

** Pemex conditions at 20 °C and 1 Kg/cm².

*** Liquefied natural gas (Ing) at -160 °C and 760 mmHg.