

Conversion factors



Base de Datos Institucional

Volume (liquids)

Input unit	Output unit	Multiply by
b	gal	42.0
b	l	158.987304
b	m3	0.158987304
l	b	0.00628981041
l	gal	0.264172037284185
l	m3	0.001
m3	b	6.28981041
m3	gal	264.172037284185
m3	l	1000.0
gal	b	0.023809524
gal	l	3.785412
gal	m3	0.003785412

Volume (gases)

Input unit	Output unit	Multiply by
m3G	pc	35.314455
pc	m3G	0.02831701636

Note: G means gaseous state

Weight

Input unit	Output unit	Multiply by
kg	lb	2.204623
kg	tc	0.001102
kg	t	0.001

kg	tl	0.000984
t	lb	2204.623
t	kg	1000
t	tc	1.102311
t	tl	0.984207
tc	lb	2000
tc	kg	907.1847
tc	t	0.907185
tc	tl	0.892857
tl	lb	2240
tl	kg	1016.046
tl	tc	1.12
tl	t	1.016046
lb	kg	0.453592
lb	tc	0.0005
lb	t	0.000454
lb	tl	0.000446

Energy

Input unit	Output unit	Multiply by
Btu	cal	252.0
Btu	J	1055.05585262
J	Btu	0.000947817120313
J	cal	0.238845896627
cal	Btu	0.003968254
cal	J	4.1868

Others

Input unit	Output unit	Multiply by
in	m	0.0254
m	in	39.3701
SSU	Pas	$(0.0022(SSU)-1.8/SSU)*p*(0.1)$

cSt	m²/s	0.000001
inH₂O	Pa	248.84
hp	Watt	746

The use of subscript and superscript is not allowed by the Institutional Database, so these Units have a special nomenclature slightly different.