

CONVERSION FACTORS

METRIC CONVERSIONS

1 Centimeter	= .3937 inches
1 Inch	= 2.54 centimeters
1 Foot	= 30.48 centimeters
1 Square Centimeter	= .1550 sq. inches
1 Square Inch	= 6.452 sq. centimeters
1 Cubic Centimeter	= .061 cubic inches
1 Cubic Inch	= 16.39 cubic centimeters
1 Liter	= 61.02 cubic inches
1 Liter	= 1.057 quarts
1 Quart	= .946 liters
1 Ounce	= 28.35 grams
1 Gram	= 35.28 x 10 ⁻³ ounces
1 Gram	= 2.205 x 10 ⁻³ lbs.
1 Pound per Sq. Inch	= .0703 kilograms per sq. centimeter
1 Kilogram per Sq. Centimeter	= 14.22 lbs. per sq. in.

WEIGHTS AND MEASURES

1 Foot	= 12 inches
1 Foot of Water	= .434 lbs. per sq. inch
1 inch of Mercury	= 1.133 feet of water
1 Atmosphere	= 29.92 inches of mercury
1 Atmosphere	= 14.7 lbs. per sq. inch
1 Pound per Square Inch	= 2.036 inches of mercury
1 Pound (ADVP)	= 16 ounces
1 Gallon	= 4 quarts
1 Quart	= 2 pints
1 Pint	= 18 ounces
1 Gallon	= 231 cubic inches
1 Square Foot	= 144 sq. inches
1 Cubic Foot	= 1728 cubic inches

LENGTH

Multiply to get	↔	to get Divide
inch	2.54	cm
ft.	12	inch
ft	0.305	meter
yard	1.094	meter
Angstrom	10 ¹⁰	meter

FLOW RATE

Multiply to get	↔	to get Divide
cc/min	1	mL/min
cfm (ft ³ /min)	28.31	L/min
cfm (ft ³ /min)	1.699	m ³ /hr
cfh (ft ³ /hr)	472	mL/min
cfh (ft ³ /hr)	0.125	GPM
GPH	63.1	mL/min
GPH	0.134	cfh
GPM	0.227	m ³ /hr
GPM	3.785	L/min
Oz/min	29.57	mL/min

MISCELLANEOUS

Multiply to get	↔	to get Divide
hp	0.746	kW
hp	42.44	Btu/min
hp	396,000	lb in/min
hp	1.014	metric hp
watts	0.7376	lb ft/sec
watts	44.25	lb ft/min
lb-ft	0.1368	kg-m
oz-in	0.072	kg-cm
oz-in	70,600	dyne-cm
Oz-in	0.00706	Nm
gauss	0.0001	tesla

VOLUME

Multiply to get	↔	to get Divide
cubic cm (cc)	1	mL
oz (fluid)	29.57	mL
cubic ft (ft ³)	7.48	gal
cubic ft (ft ³)	0.0283	m ³
cubic meters	1000	liters
gal	128	oz (fl)
gal	3.785	liters
gal	0.8333	imp gal
quart	0.25	gal
quart	0.9464	liters
cup	236.59	mL
cup	8	oz (fl)
pint	0.125	gal
pint	0.4732	liters
bushel	9.3092	gal
bushel	35.239	liters
bushel	64	pints (fl)

PRESSURE/VACUUM

Multiply to get	↔	to get Divide
atm	33.9	ft H ₂ O
atm	760	mm Hg
atm	1033.2	g/cm ²
atm	14.70	psi
atm	1.013	bar
atm	101.3	kPa
bar	14.5	psi
bar	0.9869	atm
bar	100	kPa
ft H ₂ O	0.4335	psi
kPa	0.01	dyne/cm ²
kPa	0.1450	psi
kPa	7.5	mm Hg
psi	0.0703	kg/cm ²

MASS

Multiply to get	↔	to get Divide
Apoth dram	60	grains
Apoth dram	0.1371	Avdp oz
Apoth dram	0.008571	Avdp lb
Apoth dram	3.88794	grams
Apoth lb	5760	grains
Apoth lb	13.1657	Avdp oz
Apoth lb	0.822857	Avdp lb
Apoth lb	373.242	grams
Apoth oz	480	grains
Apoth oz	1.09714	Avdp oz
Apoth oz	0.068571	Avdp lb
Apoth oz	31.1035	grams
Avdp drams	27.344	grains
Avdp drams	0.0625	Avdp oz
Avdp drams	0.003906	Avdp lb
Avdp drams	1.77185	grams
Avdp lb	7000	grains
Avdp lb	16	Avdp oz
Avdp lb	453.592	grams
Avdp oz	437.5	grains
Avdp oz	0.0625	Avdp lb
Avdp oz	28.3495	grams
carats	3.0865	grains
carats	0.2	grams
grams	15.432	grains
grams	0.0353	oz
lb	0.4536	kg
oz	28.35	grams

Please Call For Specific Engineering Details