

Summary of Units

Multiplication Factor	Unit	Prefix	Symbol
1,000,000,000,000	=10 ¹²	tera-	T
1,000,000,000	=10 ⁹	giga-	G
1,000,000	=10 ⁶	mega-	M
1,000	=10 ³	kilo-	k
100	=10 ²	hecto-	h
10	=10 ¹	deka-	da
0.1	=10 ⁻¹	deci-	da
0.01	=10 ⁻²	cent-	c
0.001	=10 ⁻³	milli-	m
0.000 001	=10 ⁻⁶	micro-	u
0.000 000 001	=10 ⁹	nano-	n
0.000 000 000 001	=10 ¹²	pico	p

Precision Analytical Laboratories, Inc.

Conversion Tables

To Convert	To	Multiply By
acres	square feet	43,560.0
acres	square meters	4,840.
acre-foot	gallons	325,900.
atmospheres	inches of Mercury	29.92
atmospheres	pounds per square inch	14.70
barrels (liquid)	gallons	31.5
bars	atmospheres	0.986923
bars	inches of mercury	29.53
Btu	kilowatt-hours	0.0002928
Btu/hour	watts	0.2931
bushels	dry quarts	32.0
bushels	pecks	4.0
calories	Joules	4184.
centimeters	inches	0.3937
centimeters of mercury	Torr	10
centimeters per second	kilometers per hour	0.036
cubic centimeters	cubic inches	0.06102
cubic centimeters	fluid ounces	0.0338
cubic feet	cubic centimeters	28,316.85
cubic feet	cubic inches	1,728.0
cubic feet	cubic meters	0.02832
cubic feet	gallons	7.48052
cubic feet	liters	28.32
cubic feet/minute	liters/second	0.4720

cubic feet/second	million gallons/day	0.646317
cubic inches	gallons	0.004329
cubic inches	liters	0.01639
cubic meters	cubic feet	35.31
cubic meters	cubic inches	61,023.74
cubic meters	cubic yards	1.308
cubic meters	gallons	264.2
cubits	feet	1.5
fathoms	feet	6.0
feet	meters	0.3048
feet of water	pounds/square inch	0.4385
feet per second	miles per hour	0.6818
furlongs	feet	660.
gallons	cubic feet	0.1337
gallons	cubic inches	231.0
gallons	liters	3.785
gallons	fluid ounces	128.0
gallons of water	pounds of water	8.345
gallons per minute	liters per second	0.06308
gallons per minute	cubic feet per hours	8.0208
grains	grams	0.0648
grains per gallon	parts per million	17.118
grams	ounces (avdp)	0.03527

CONVERSION TABLES

To Convert	To	Multiply By
hands	inches	4.
hogsheads	gallons	63.0
horsepower	watts	745.7
inches	centimeters	2.540
inches of Mercury	atmospheres	0.03342
inches of Mercury	pounds per square inch	0.4912
inches of water	pounds per square inch	0.03613
kilograms	pounds	2.205
kilometers	feet	3,281.0
kilometers	miles	0.6214
kilowatts	Btu/hour	3,414.43
knots	miles per hour	1.151
league	miles	3.0
liters	cubic feet	0.3531
liters	gallons	0.2642
liters	ounces	33.814
liters per minute	cubic feet per minute	0.035316
meters	feet	3.281

meters	inches	39.37
miles	feet	5,280.0
miles per hour	feet per second	88.0
milligrams per liter	parts per million	1.0
ounces (avdp)	grams	28.35
ounces (fluid)	milliliters	29.5735
parts per million	grains per gallon	0.05842
parts per million	milligrams per liter	1.0
pounds per square inch	inches of Mercury	2.036
pounds per square inch	feet of water	2.307
quarts	liters	0.9463
rods	feet	16.5
square feet	square centimeters	929.03
square inches	square centimeters	6.4516
yards	centimeters	91.44