



WET | USA Inc.

316 Roma Jean Pkwy, Streamwood, IL 60107
 tel 630-540-2113 • fax 630-540-2117
www.wet-usa.com • info@wet-usa.com

TECHNICAL PUBLICATION

INFORMATION & STRATEGY FOR THE
 FACILITY MANAGER

Conversion Table

Linear

1 in	= 2.54 cm
1 ft	= 0.3048 m
1 m	= 1000 mm
	= 100 cm
	= 39.37 in
1 mi	= 1.609 km
	= 5280 ft
1 km	= 0.6214 mi
1 micron (u)	= 10^{-6} m
1 mil	= .001 in
	= 25.4 microns (u)

Weight

1 lb	= 16 oz
	= 0.45359 kg
1 kg	= 2.205 lb
1 ton	= 2000 lbs
	= 907.18 kg
1 gal	= 8.34 lbs for water

Volume

1 gal	= 3.785 liters
	= 8.34 lbs for water
1 ft ³	= 7.48 gal
1 gal	= 128 fl oz
1 qt	= 32 fl oz
1 pt	= 16 fl oz
1 fl oz	= 29.6 ml

Pressure

1 ft water	= 0.433 psi
1 psi	= 2.31 ft water
	= 2.04 in Hg
1 atm	= 14.7 psi

Energy

1 ft ³ nat gas	= approx 1,000 btu
1 therm	= 100,000 btu
1 kwh	= 3,412 btu
1 hp	= 0.746 kw
1 kw	= 1.341 hp
1 ton a/c	= 12,000 btu/hr
	= 1 kw
1 degree day	= 65 °F - mean °F of day
°F	= 9/5(°C) + 32
(BTU = energy to heat 1 lb of water 1 °F)	

Others

1 gr per gal = 17.1 ppm
 (1 gal of water dissolves 2.5 lbs of salt)

Mega (M)	= 10^6
kilo (k)	= 10^3
deci (d)	= 10^{-1}
centi (c)	= 10^{-2}
milli (m)	= 10^{-3}
micro (u)	= 10^{-6}
nano (n)	= 10^{-9}
pico (p)	= 10^{-12}