

Appendix G

Title?

Category	Unit	Conversion factor multiplier	SI Unit
Length	inch	0.0254	meter
	foot	0.3048	meter
	yard	0.9144	meter
Area	inch ²	0.0006	meter ²
	foot ²	0.0929	meter ²
	yard ²	0.8361	meter ²
Volume	litter	0.0010	meter ³
	gallon	3.785E-3	meter ³
	acre-foot	1,233.5	meter ³
Density	lb/ft ³	16.02	kg/m ³
	lb/gallon	27,700	kg/m ³
Flow rate	cubic foot/sec	0.0283	meter ³ /sec
	cubic foot/min	4.72E-4	meter ³ /sec
	gallons/sec	3.785E-3	meter ³ /sec
	gallons/min	6.308E-5	meter ³ /sec
Pressure	bar	1.000E+5	newton/meter ² (Pa)
	standard atm	1.013E+5	newton/meter ² (Pa)
	lbf/in ²	6,894	newton/meter ² (Pa)
	in H ₂ O	249.1	newton/meter ² (Pa)
	in Hg	3,386	newton/meter ² (Pa)
	mm Hg	133.3	newton/meter ² (Pa)

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Category	Unit	Conversion factor multiplier	SI Unit
Energy	kwh	3.600E+6	Joule
	hp-hour	2.685E+6	Joule
	btu	1,055	Joule
Power	kw	1,000	Watt
	hp	745.8	Watt
	btu/sec	1,055	Watt
<i>Additional units</i>			<i>Additional units</i>
Flux	gallon/ft ² -day	1.70	liter/m ² -hr
Volume	acre-foot	325,851	gallon
Flow rate	acre-foot/year	3.380	m ³ /day
	gallon/min (gpm)	0.227	m ³ /hr
	gallon/day (gpd)	3.785E-3	m ³ /day
Pressure	poun/in ² (psi)	0.06895	bar
	bar	14.50	pound/in ² (psi)
Specific flux	gfd/psi	24.85	l/m ² -hr-bar
Temperature	Celsius (C)	1.8 (C +32)	Fahrenheit (F)