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UNIT CONVERSIONS

The table below lists the conversion between Imperial and metric units used throughout this Guide.

Imperial	Metric
LENGTH 1 foot [ft] = 12 inches [in]	= 0.3048 metres [m]
1 inch [in]	= 2.54 centimetres [cm] = 25.4 millimetres [mm]
AREA 1 acre [ac] = 43,560 square feet [ft ²]	= 0.405 hectares [ha]
	1 hectare [ha] = 10,000 square metres [m ²]
VOLUME 1 acre-foot [ac-ft] = 43,560 cubic feet [ft ³]	= 0.1233 hectare-metres [ha-m]
1 acre-inch [ac-in] = 27,152 US gallons [US gal]	
1 US gallon [US gal]	= 0.0038 cubic metres [m ³] = 3.79 litres [L] = 0.833 Imperial gallons [Imp. gal]
1 cubic foot [ft³] = 7.48 US gallons [US gal]	= 28.33 litres [L]
1 Imperial gallon [Imp. gal]	= 4.55 litres [L]
FLOW 1 US gallon per min [US gpm]	= 3.79 litres per min [L/min] = 0.063 litres per sec [L/sec]
1 Imperial gallon per min [Imp. gpm]	= 4.55 litres per min [L/min]
1 cubic foot per sec [cfs]	= 1,666.6 litres per min [L/min]

Imperial	Metric
PRESSURE	
1 pound per square inch [psi] = 2.31 feet of water [ft]	= 0.70 metres of water [m] = 6.90 kilopascal [KPa]
1 foot head of water [ft]	= 2.98 kilopascal [KPa]
1 atmosphere [atm] = 14.7 pounds per square inch [psi]	= 101.3 kilopascal [KPa]
ENERGY	
1 horsepower [hp]	= 0.746 kilowatts [KW]
CONCENTRATION	
1 parts per millions [ppm]	= 1 milligram per litre [mg/L]

Typical sprinkler spacings are given in ft x ft and m x m conversions as below:

ft x ft	m x m
30 x 30	9.15 x 9.15
30 x 40	9.15 x 12.2
30 x 60	9.15 x 18.3
40 x 40	12.2 x 12.2
50 x 50	15.2 x 15.2
40 x 50	12.2 x 15.2
40 x 60	12.2 x 18.3
60 x 60	18.3 x 18.3