



MISCELLANEOUS

CONVERSION TABLES

VOLUME

1 U. S. Gallon

= 3.785 Liters
 = 0.8327 Imperial Gallons
 = 0.1337 Cubic Foot
 = 4 Quarts
 = 8.34 Lbs.

1 Liter

= 0.2642 U.S. Gallons
 = 0.2200 Imperial Gallons
 = 0.03532 Cubic Foot
 = 1.057 Quarts
 = 2.2005 Lbs.

1 Imperial Gallon

= 1.201 U.S. Gallons
 = 4.546 Liters
 = 0.1605 Cubic Foot
 = 4.805 Quarts
 = 10 Lbs.

LENGTH

1 - Foot= 0.3048 Meters
 1 - Meter= 3.280 Feet
 1 - Mile= 1,609.344 Meters
 1 - Mile= 5,280 Feet
 1 - Yard= 3 Feet
 1 - Yard= 0.9144 Meters
 1 - Inch= 25.400 MM
 1 - Meter= 1,000 MM
 1 - CM= 100 MM
 1 - KM= 1,000 M

WEIGHT

1 Kilogram (KG)
 = 2.205 Pounds
 1 Pound (LB)
 = 0.4536 Kilograms

FLOW

1 Liter Per Second
 = 15.85 GPM (U.S.)
 1 U.S. Gallon Per Minute
 = 0.0631 Liter per second

DENSITY

1(U.S.) GPM/FT = 40.7 LPM/M
 Liters/min./sq. Meter

TEMPERATURE

1°C = 33.8°F
 100°C = 212°F
 Convert °F to °C = $9/5 \times ^\circ\text{C} + 32 \text{ deg.}$
 Convert °C to °F = $5/9 \times ^\circ\text{F} - 32 \text{ deg.}$

PRESSURE

1 PSI

= 6.89K Kilo Pascals (KPA)
 = 0.0689 Bar



FRICTION LOSS IN PIPE FITTINGS AND VALVES IN TERMS OF EQUIVALENT FEET OF STRAIGHT PIPE

FOR USE WITH HAZEN WILLIAM'S C- 120 ONLY

Nominal Pipe Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6	8	10	12	Symbol
Std. Elbow	1	2	2	3	4	5	6	7	8	10	12	14	18	22	27	E
45° Elbow	1	1	1	1	2	2	3	3	3	4	5	7	9	11	13	EE
Tee Into Run	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	T
O. S. & Y. Full Open	-	-	-	-	-	1	1	1	2	2	2	3	4	5	6	GV
Swing Check Full Open	3	4	5	7	9	11	14	16	19	22	27	32	45	55	65	Check V

