

TECHNICAL DATA



METRIC CONVERSION

LIQUID VOLUME		
To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	.4732
Quarts (qt)	Liters (l)	.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	.2642
PRESSURE		
To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	.06895
Kilopascals (kPa)	Lbs per square inch (psi)	.145
Kilopascals (kPa)	bar	.01
bar	Lbs per square inch (psi)	14.503
bar	Kilopascals (kPa)	100.00
LENGTH		
To Convert	Into	Multiply by
Inches (in)	Millimeters (mm)	25.4
Inches (in)	Centimeters (cm)	2.54
Feet (ft)	Centimeters (cm)	30.48
Feet (ft)	Meters (m)	.3048
Yards (yd)	Meters (m)	.914
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	.039
Centimeters (cm)	Inches (in)	.394
Meters (m)	Feet (ft)	3.282
Kilometers (km)	Miles (mi)	.6214
AREA		
To Convert	Into	Multiply by
Square Inches (in ²)	Square Centimeters (cm ²)	6.452
Square Feet (ft ²)	Square Meters (m ²)	.093
Square Yards (yds ²)	Square Meters (m ²)	.836
Square Miles (mi ²)	Square Kilometers (km ²)	2.59
Square Centimeters (cm ²)	Square Inches (in ²)	.155
Square Meters (m ²)	Square Yards (yds ²)	1.196
Square Kilometers (km ²)	Square Miles (mi ²)	.386
HOSE SIZES		
1" Hose = 25.4 mm	4" Storz = 100.00 mm	
1½" Hose = 38.1 mm	4" Hose = 101.60 mm	
1¾" Hose = 44.5 mm	4½" Hose = 114.30 mm	
2" Hose = 50.8 mm	5" Storz = 125.00 mm	
2½" Hose = 63.5 mm	5" Hose = 127.00 mm	
3" Hose = 76.2 mm	6" Hose = 152.40 mm	
3½" Hose = 88.9 mm		
TIP SIZES		
¾" Tip = 19.1 mm	1 ½" Tip = 38.1 mm	
⅞" Tip = 22.2 mm	1 ¾" Tip = 44.5 mm	
1" Tip = 25.4 mm	2" Tip = 50.8 mm	
1⅛" Tip = 28.6 mm	2 ¼" Tip = 57.2 mm	
1¼" Tip = 31.8 mm	2 ½" Tip = 63.5 mm	
1⅜" Tip = 34.9 mm	3" Tip = 76.2 mm	

SOLID VOLUME		
To Convert	Into	Multiply by
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	.4536
Grams (g)	Ounces (oz)	.035
Kilograms (kg)	Pounds (lb)	2.205
PRESSURES GUIDELINES*		
50 psi = 345 kPa = 3.45 bar		
60 psi = 414 kPa = 4.14 bar		
70 psi = 488 kPa = 4.88 bar		
75 psi = 517 kPa = 5.17 bar		
80 psi = 552 kPa = 5.52 bar		
90 psi = 621 kPa = 6.21 bar		
100 psi = 690 kPa = 6.89 bar		
150 psi = 1034 kPa = 10.34 bar		
200 psi = 1379 kPa = 13.79 bar		
250 psi = 1723 kPa = 17.23 bar		
300 psi = 2069 kPa = 20.69 bar		
350 psi = 2413 kPa = 24.13 bar		
580 psi = 3999 kPa = 39.99 bar		
700 psi = 4827 kPa = 48.27 bar		
FLOW		
FLOW RATE	EXACT LPM	
12 gpm = 45.42 lpm		
13 gpm = 49.20 lpm		
15 gpm = 56.78 lpm		
20 gpm = 75.70 lpm		
23 gpm = 87.06 lpm		
25 gpm = 94.62 lpm		
30 gpm = 113.55 lpm		
40 gpm = 151.40 lpm		
50 gpm = 189.25 lpm		
60 gpm = 227.10 lpm		
70 gpm = 264.95 lpm		
75 gpm = 283.88 lpm		
85 gpm = 321.73 lpm		
95 gpm = 359.58 lpm		
100 gpm = 378.50 lpm		
120 gpm = 454.20 lpm		
125 gpm = 473.13 lpm		
150 gpm = 567.75 lpm		
175 gpm = 662.38 lpm		
200 gpm = 757.00 lpm		
250 gpm = 946.25 lpm		
300 gpm = 1135.50 lpm		
350 gpm = 1324.75 lpm		
375 gpm = 1419.38 lpm		
400 gpm = 1514.00 lpm		
450 gpm = 1703.25 lpm		
500 gpm = 1892.50 lpm		
550 gpm = 2081.75 lpm		
700 gpm = 2649.50 lpm		
750 gpm = 2838.75 lpm		
800 gpm = 3028.00 lpm		
1000 gpm = 3785.00 lpm		
1200 gpm = 4542.00 lpm		
1250 gpm = 4731.25 lpm		
1500 gpm = 5677.50 lpm		
2000 gpm = 7570.00 lpm		

* The above are general guidelines. Elkhart Brass provides more precise figures as applicable.