

Technical Data: Metric Conversion

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Liquid Volume		
To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	0.4732
Quarts (qt)	Liters (l)	0.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	0.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	0.2642

Pressure		
To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	0.06895
Kilopascals (kPa)	Pounds per square inch (psi)	0.145
Kilopascals (kPa)	bar	0.01
bar	Pounds per square inch (psi)	14.503
bar	Kilopascals (kPa)	100

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)	0.3048
Yards (yd)	Meters (m)	0.914
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	0.039
Centimeters (cm)	Inches (in)	0.394
Meters (m)	Feet (ft)	3.282
Kilometers (km)	Miles (mi)	0.6214

Area		
To Convert	Into	Multiply by
Square Inches (in ²)	Square Centimeters (cm ²)	6.452
Square Feet (ft ²)	Square Meters (m ²)	0.093
Square Yards (yds ²)	Square Meters (m ²)	0.836
Square Miles (mi ²)	Square Kilometers (km ²)	2.59
Square Centimeters (cm ²)	Square Inches (in ²)	0.155
Square Meters (m ²)	Square Yards (yds ²)	1.196
Square Kilometers (km ²)	Square Miles (mi ²)	0.386

Hose Sizes					
1" Hose	=	25.4 mm	4" Storz	=	100.00 mm
1 1/2" Hose	=	38.1 mm	4" Hose	=	101.60 mm
1 3/4" Hose	=	44.5 mm	4 1/2" Hose	=	114.30 mm
2" Hose	=	50.8 mm	5" Storz	=	125.00 mm
2 1/2" Hose	=	63.5 mm	5" Hose	=	127.00 mm
3" Hose	=	76.2 mm	6" Hose	=	152.40 mm
3 1/2" Hose	=	88.9 mm			

Tip Sizes					
3/4" Tip	=	19.1 mm	1 1/2" Tip	=	38.1 mm
7/8" Tip	=	22.2 mm	1 3/4" Tip	=	44.5 mm
1" Tip	=	25.4 mm	2" Tip	=	50.8 mm
1 1/8" Tip	=	28.6 mm	2 1/4" Tip	=	57.2 mm
1 1/4" Tip	=	31.8 mm	2 1/2" Tip	=	63.5 mm
1 3/8" 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)	0.4536
Grams (g)	Ounces (oz)	0.035
Kilograms (kg)	Pounds (lb)	2.205

Pressures					
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	=	6.90 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	Akron Standard
12 gpm	=	45.42 lpm	= 45 lpm
13 gpm	=	49.20 lpm	= 50 lpm
15 gpm	=	56.78 lpm	= 60 lpm
20 gpm	=	75.70 lpm	= 75 lpm
23 gpm	=	87.06 lpm	= 90 lpm
25 gpm	=	94.62 lpm	= 95 lpm
30 gpm	=	113.55 lpm	= 115 lpm
40 gpm	=	151.40 lpm	= 150 lpm
50 gpm	=	189.25 lpm	= 190 lpm
60 gpm	=	227.10 lpm	= 230 lpm
70 gpm	=	264.95 lpm	= 265 lpm
75 gpm	=	283.88 lpm	= 285 lpm
85 gpm	=	321.73 lpm	= 320 lpm
95 gpm	=	359.58 lpm	= 360 lpm
100 gpm	=	378.50 lpm	= 380 lpm
120 gpm	=	454.20 lpm	= 460 lpm
125 gpm	=	473.13 lpm	= 475 lpm
150 gpm	=	567.75 lpm	= 550 lpm
175 gpm	=	662.38 lpm	= 660 lpm
200 gpm	=	757.00 lpm	= 750 lpm
250 gpm	=	946.25 lpm	= 950 lpm
300 gpm	=	1135.50 lpm	= 1140 lpm
350 gpm	=	1324.75 lpm	= 1325 lpm
375 gpm	=	1419.38 lpm	= 1420 lpm
400 gpm	=	1514.00 lpm	= 1525 lpm
450 gpm	=	1703.25 lpm	= 1700 lpm
500 gpm	=	1892.50 lpm	= 1900 lpm
550 gpm	=	2081.75 lpm	= 2100 lpm
700 gpm	=	2649.50 lpm	= 2660 lpm
750 gpm	=	2838.75 lpm	= 2900 lpm
800 gpm	=	3028.00 lpm	= 3030 lpm
1000 gpm	=	3785.00 lpm	= 3800 lpm
1200 gpm	=	4542.00 lpm	= 4500 lpm
1250 gpm	=	4731.25 lpm	= 4800 lpm
1500 gpm	=	5677.50 lpm	= 5700 lpm
2000 gpm	=	7570.00 lpm	= 7600 lpm

