

## Conversion Tables & Formulas

Pressure		Length	
1 Bar	0.1 N/mm <sup>2</sup>	1 Kilometer	1000 Meter
1 Bar	1.02 Kg/cm <sup>2</sup>	1 Meter	100 Centimeter
1 Bar	14.504 PSI	1 Meter	1000 mm
1 Kg/cm <sup>2</sup>	14.22 PSI	1 Meter	3.28 Foot
1 PSI	0.006895 MPa	1 Foot	304.8 mm
1 MPa	1000 KPa	1 Foot	12 inch
1 MPa	1 N/mm <sup>2</sup>	1 Inch	25.4 mm
1 MPa	0.102 Kg/mm <sup>2</sup>	1 mm	0.0394 inch
1 N/mm <sup>2</sup>	10 Bar	1 Micon	0.001 mm
1 N/mm <sup>2</sup>	10.2 Kg/Cm <sup>2</sup>	1 Yard	0.9144 meter
1 N/mm <sup>2</sup>	145.032 PSI	1 Meter	1.0936 yard
<b>Weight</b>		1 Yard	3 feet
1 Kg.	2.205 Pounds	1 Mile	5280 feet
1 Pound	16 Ounces	1 Mile	1760 yard
1 Pound/foot	1.48822 Kg/mtr.	<b>Area</b>	
<b>Temperature</b>		Calculation of area of round Pipe (1 side) sq. ft.	
i) C	$5 (F-32) / 9$	= outside diameter (mm) / 1000 x length of pipe (mtr.) x 3.143 x 10.764	
ii) F	$32 + 9 C / 5$	Eg. Calculation Sq. ft. of 2" NB pipe of 6 mtr. =	
iii) C / 5	$(F - 32) / 9$	0.0603 x 6 mtr. x 3.143 x 10.764 = 12.24 sq. ft.	
G =	Temperature in deg. Celsius		
F =	Temperature in deg. Fahrenheit		

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