

Helpful Information

General Information:

Hose is sized by its inside diameter.

Tubing is sized by its outside diameter.

PSIA refers to Pound per Square Inch - Absolute.

PSIG refers to Pounds per Square Inch - Gauge.

SCFM stands for Standard Cubic Feet per Minute.

**How to order
or for information:**

1.888.426.8111



Actual Diameters of NPT Threads:



Formulas:

$$\text{Force} = \text{Pressure} * \text{Area}$$

Force is in: lbs. (pounds)

Pressure is in: psig

Area is in: in² (square inches)

$$\text{Area} = 0.7854 * (\text{Cylinder Bore})^2$$

Area is in: in² (square inches)

Cylinder Bore is measured in: inches

Conversions:

Metric to English		English to Metric		Other Useful Conversions	
Length		Length		Volume	
1 mm	= 0.0934 in	1 inch	= 25.4 mm	1 ft ³	= 1728 in ³
1 cm	= 0.3937 in	1 inch	= 2.54 cm	1 L	= 1000 cm ³
1 m (metre)	= 3.2810 feet	1 foot	= 30.48 cm	Pressure	
Area		Area		1 bar	= 100 kPa
1 cm ²	= 0.1550 in ²	1 in ²	= 6.4516 cm ²	14.7 psia	= 0 psig
1 m ²	= 10.765 ft ²	1 ft ²	= 0.0929 m ²	Power	
Volume		Volume		1 HP	= 33,000 ft• lb / min
1 cm ³	= 0.610 in ³	1 in ³	= 16.387 cm ³	1 HP	= 550 ft• lb / sec
1 Litre	= 0.264 gal US	1 gal (US)	= 3.785 L		
Pressure		Pressure			
1 kPa	= 0.145 psi	1 psi	= 6.897 kPa		
1 bar	= 14.50 psi	1 psi	= 0.06897 bar		
1 atmosphere	= 14.7 psi	1 atmosphere	= 101.3 kPa		
Temperature		Temperature			
° F	= (1.8* ° C)+32°	° C	= (5/9* ° F)-32°		

*For any additional information,
please contact Pneumatic Parts.*