



10793 State Route 37 W  
 Sunbury, OH 43074  
 www.bry-air.com

Toll-Free: (877) 427-9247  
 Phone: (740) 965-2974  
 Fax: (740) 965-5470

Technical Resource Center

Useful Conversion Factors		
To Convert	Into	Multiply By
Atmospheres	Kilopascal (Kp)	101.1
Btu	Joules	1,054
Btu	Kilowatt-Hrs	2.928 X 10 <sup>-4</sup>
Btu/Hr	Horsepower	3.929 X 10 <sup>-4</sup>
Btu/Hr	Watts	0.293
Btu/Hr-Sq Ft	Watts/So Meter	3.15
Btu/Lb	Kilojoules/Kilogram	2.33
Centigrade	Fahrenheit	(°C X 9/5) 32
Cost, \$/Lb	\$/Kilogram	2.205
Cost, \$/Ton (Refrig)	\$/Kilowatt	0.284
Cubic Feet	Cu Meters	0.02832
Cubic Feet	Liters	28.32
Cubic Feet/Min, Cfm	L1ters/Sec	0.4720
Cubic Feet/Min (Cfm)	Cubic Meter/Hr	1.6992
Cubic Inches	Milliliters	16.4
Cubic Meters	Cu Feet	35.31
Cubic Meters	Liters	1,000
Cubic Meters/Hr	Cubic Feet/Min (Cfm)	.5885
Fahrenheit	Centigrade	(°F - 32) X 5/9
Feet	Meters	0.3048
Feet/Min, Fpm	Meters/Sec	5.08 X 10 <sup>-3</sup>
Feet Min, Fpm	Miles/Hr	0.01136
Gallons	Cu Feet	0.1337
Gallons	Liters	3.785
Gallons/Hr	Milliliters/Sec	1.05
Gallons/Min	L1ters/Sec	0.06308
Grains (1/7000 Lb)	Grams	0.06480
Grains/Lb	Grams/Kilogram	0.143
Grams	Grains	15.43
Grams	Pounds	2.204 X 10 <sup>-3</sup>
Horsepower	Btu/Hr	2,547
Horsepower	Kilowatts	0.7457
Inches	Millimeters	25.40
Inches Of Mercury	Inches Of Water	13.596
Inches Of Mercury	Kilopascal (Kp)	3.38
Inches Of Water (At 4° C)	Inches Of Mercury	0.07355
Inches Of Water (At 4° C)	Pounds/So In	0.03613
Inches Of Water (At 4° C)	Pascal (P)	249.
Joules	Btu	9.48 X 10 <sup>-4</sup>
Joules	Watt-Hrs	2.778 X 10 <sup>-4</sup>



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Useful Conversion Factors		
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Kilograms	Pounds	2.205
Kilograms/Cu Meter	Pounds/Ct Ft	0.06243
Kilometers	Feet	3,281.
Kilometers	Miles	0.6214
Kilometers/Hr	Miles/Hr	0.6214
Kilowatts	Btu/Hr	3,414.
Liters	Cu Feet	0.03531
Liters	Gallons (U. S. L10)	0.2642
L1ters/Sec	Gallons/Min	15.852
Meters	Feet	3,281
Meters/Sec	Feet/Min	196.8
Meters/Sec	Kilometers/Hr	3.6
Meters/Sec	Miles/Hr	2.237
MILES (Statute)	METERS	1,609.
Miles/Hr	Feet/Min	88.
Miles/Hr	Kilometers/Hr	1.609
Milimeters	Inches	0.03937
Newton	Pounds (Force)	0.225
Newton/So Meter	Pascal (Pa)	1.0
Pascal (Pal)	Inches Of Mercury	2.959 X 10 <sup>-4</sup>
Pascal (Pa)	Inches Of Water	4.016 X 10 <sup>-3</sup>
Pascal (Pal)	Pounds/So In	1.451 X 10 <sup>-4</sup>
POUNDS (Force)	NEWTONS	4,448
POUNDS (Mass)	GRAINS	7,000.
POUNDS (Mass)	KILOGRAMS	0.4536
Pounds Of Water	Cu Feet	0.01603
Pounds Of Water	Gallons	0.1199
Pounds Of Water	Pint	.9584
Pounds Of Water	Liters	.0316
Pounds/Ct Ft	Kgs/Cu Meter	16.02
Pounds So In	Inches Of Mercury	2.036
Pounds/So In	Kilopascal (Kpal)	6.89
Pounds/So In	Inches Of Water	27.68
Tons, Refrigeration	Btu/Hr	12,000.
Tons, Refrigeration	Kilowatts	3.52
Watts	Btu/Hr	3.414
Watts	Horsepower (Elec.)	1.341 X 10 <sup>-3</sup>
Watt-Hours	Btu	3.414
Watt-Hours	Joules	3.60 X 10 <sup>3</sup>