

Aeroquip Performance Products

AQP Hose Fittings Conversion Tables

Inch and Millimeter Equivalents

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Inches Fractions	Inches Decimals	Millimeters Decimals	Inches Fractions	Inches Decimals	Millimeters Decimals	Inches Fractions	Inches Decimals	Millimeters Decimals
1/64	.016	.397	9/64	.141	3.572	17/64	.266	6.747
1/32	.031	.794	5/32	.156	3.969	9/32	.281	7.144
3/64	.047	1.191	11/64	.172	4.366	19/64	.297	7.541
1/16	.063	1.588	3/16	.188	4.763	15/16	.313	7.938
5/64	.078	1.984	13/64	.203	5.159	21/64	.328	8.334
3/32	.094	2.381	7/32	.219	5.556	11/32	.344	8.731
7/64	.109	2.778	15/64	.234	5.953	23/64	.359	9.128
1/8	.125	3.175	1/4	.250	6.350	3/8	.375	9.525
						25/64	.391	9.922
						13/32	.406	10.319

Converting Units of Measure

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Multiply	By	To Obtain	Multiply	By	To Obtain	Multiply	By	To Obtain
Atmospheres	14.70	Pounds/ square inch	Gallons/ feet/hour	8.0208	Cubic minute	Miles/hour	0.8684	Knots
Atmospheres	1.013	Bars	Horsepower	745.7	Watts	Ounces	0.0625	Pounds
Bars	0.9869	Atmospheres	Inches of mercury	1.133	Feet of water	Ounces	28.34952	Grams
Bars	14.50	Pounds/ square inch	Kilometers	0.6214	Miles	Ounces (fluid)	1.805	Cubic inches
Centimeters	0.3937	Inches	Liters	0.03531	Cubic feet	Ounces (fluid)	0.02957	Liters
Feet	0.3048	Meters	Liters	61.02	Cubic inches	Pounds	453.5924	Grams
Gallons	231	Cubic inches	Liters	0.2642	Gallons	Pounds of water	0.1198	Gallons
Gallons	3.785	Liters	Meters	3.281	Feet	Pounds/ square inch	0.06804	Atmospheres
Gallons (Imperial)	1.20105	U.S. gallons	Meters	39.37	Inches	Temp. (°C)	1.8	+32 Temp. (°F)
Gallons (U.S.)	0.83267	Imperial gallons	Microns	10 ⁶	Meters	Temp. (°F)	-32	5/9 Temp. (°C)
Gallons (water)	8.3453	Pounds of water	Miles	5280	Feet			
			Miles	1.609	Kilometers			
			Miles/hour	1.609	Kilometers/ hour			

For information about Torque Specification and the proper tightness to allow for a good seal, but prevents damage to the fitting by over torque, see technical data sheet:

Torque Specifications for Aluminum Fittings

For information about determining correct hose sizes for flow capacities at suggested flow velocities, see chart:

**Flow Capacities of Hose Assemblies at
Suggested Flow Velocities**



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