

Some Useful Conversions

Kilowatts	x	3412	=	B.T.U.		Ft3	x	0.0283	=	m3
Kg	x	2.205	=	Pounds		Ft3	x	6.2288	=	Imp Gallons
Horse Power	x	0.7457	=	Kilowatts		m3	x	220	=	Imp Gallons
Inches	x	2.54	=	Centimeters		Imp Gallons	x	4.5461	=	Litres
Feet	x	0.3048	=	Meters		Ft3	x	28.317	=	Litres
Sq. Ft	x	0.0929	=	Sq. Meters		m3	x	1000	=	Litres

Volume (Liquids) - Imperial / US / Metric

Imp Gallons	=	1.201	US Gallons		1m3	=	220	Imp Gallons
Imp Gallons	=	0.004546	m3		1m3	=	264.2	US Gallons
Imp Gallons	=	4.546	Litres		1m3	=	1,000	Litres
1 US Gallon	=	0.833	Imp Gallon		1 Litre	=	0.22	Imp Gallons
1 US Gallon	=	0.003785	m3		1 Litre	=	0.624	US Gallons
1 US Gallon	=	3.785	Litres		1 Litre	=	0.001	m3

uPVC & ABS Imperial Pipe - Dimensions and Flow rates

Pipe Size inches	Pipe Class	Outside Diameter inches	Inside Diameter inches	Cross Section Area Sq inches	Suction Flowrate Max Flow At 1.2m/sec Velocity		Return Flowrate Max Flow At 2.0m/sec Velocity	
					Gal/Hour	m3/Hour	Gal/Hour	m3/Hour
					0.5"	E	0.842	0.692
0.75"	E	1.053	0.888	0.619	381	1.7	634	2.9
1"	E	1.321	1.102	0.954	587	2.7	978	4.4
1.25"	E	1.663	1.409	1.559	959	4.4	1598	7.3
1.5"	C	1.9	1.609	2.032	1250	5.7	2084	9.5
2"	C	2.375	2.137	3.586	2206	10	3677	16.7
3"	E	3.5	3.012	7.124	4382	19.9	7305	33.2
4"	E	4.5	3.846	11.615	7145	32.5	11910	54.2

Head and Pressure

1ft Head	=	0.3048 meters head		1m Head	=	3.281 ft head
	=	0.4335 psi			=	1.422 psi
	=	0.02989 bar			=	0.09807 bar
	=	0.8827 inch/hg vacuum			=	2.896 inch/hg volume
	=	0.03048 kgf/cm2			=	0.1 kgf/cm2