

# Unit Conversion Table – Flow (Volumetric)



Litres Per Minute ( LPM )	Litres Per Hour ( LPH )	Cubic Metres Per Hour ( m <sup>3</sup> /h )	Gallons Per Minute ( GPM )	Gallons Per Hour ( GPH )	Cubic Feet Per Minute ( CFM )	Cubic Feet Per Hour ( CFH )
0.01666666	1	0.001	0.00440287	0.26417205	0.00058858	0.03531467
0.06309020	3.78541178	0.00378541	0.01666667	1	0.00222801	0.13368055
0.16666666	10	0.01	0.04402868	2.64172052	0.00588578	0.35314666
0.47194745	28.3168	0.02831685	0.12467533	7.48051959	0.01666667	1
0.63090196	37.8541	0.03785412	0.16666667	10	0.02228009	1.33680554
1	60	0.06	0.26417205	15.8503	0.03531467	2.11887997
1.66666666	100	0.1	0.44028675	26.4172	0.05885778	3.53146662
3.78541178	227.12	0.22712471	1	60	0.13368055	8.02083322
4.7194745	283.17	0.28316847	1.24675326	74.8052	0.16666667	10
6.30901964	378.54	0.37854118	1.66666667	100	0.22280092	13.3681
10	600	0.6	2.64172052	158.50	0.35314666	21.1888
16.6666	1,000	1	4.40286754	264.17	0.58857777	35.3147
28.3168	1,699.01	1.69901082	7.48051959	448.83	1	60
37.8541	2,271.25	2.27124707	10	600	1.33680554	80.2083
47.1947	2,831.68	2.83168470	12.4675	748.05	1.66666667	100
63.09	3,785.41	3.78541178	16.6667	1,000	2.22800923	133.68
100	6,000	6	26.4172	1,585.03	3.53146662	211.89
166.66	10,000	10	44.03	2,641.72	5.88577770	353.15
283.17	16,990	16.9901	74.8052	4,488.31	10	600
378.54	22,712	22.7125	100	6,000	13.3681	802.08
471.95	28,317	28.3168	124.68	7,480.52	16.6667	1,000
630.90	37,854	37.8541	166.67	10,000	22.2801	1,336.81
1,000	60,000	60	264	15,850	35.3147	2,118.88
1,666.66	100,000	100	440.29	26,417	58.8578	3,531.47
2,831.68	169,901	169.90	748.05	44,883	100	6,000
3,333	200,000	200	880.57	52,834	117.72	7,062.93

**Volumetric Flow Formulas:**

**Flow (m<sup>3</sup>/h) = Area Of Pipe Cross Section (m<sup>2</sup>) x Velocity (m/h)**

**Velocity (m/h) = Flow (m<sup>3</sup>/h) / Area Of Pipe Cross Section (m<sup>2</sup>)**

**Area Of Pipe Cross Section (m<sup>2</sup>) = Flow (m<sup>3</sup>/h) / Velocity (m/h)**

**Recommended Pool Turn Over Times:**

- Public Diving Pool: 5 Hours**
- Public Swimming Pool: 2 Hours**
- Public Children’s Pool: 1 Hour**
- Public Spa: ½ Hour**

**Maximum Flow Velocity In Pipes:**

- Return Line: 2.4 m/s**
- Suction Line: 1.8 m/s**