

Flow rate (volume) conversion chart

L/min, gpm, cfm, m³/h. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to cubic metres per second (m³/s)		
UNIT	IN M³/S	1 M³/S IN UNIT
cubic metre per second (m³/s)	1 m³/s	1 m³/s
cubic metre per hour (m³/h)	0.0002777778 m³/s	3,600 m³/h
cubic metre per minute (m³/min)	0.01666667 m³/s	60 m³/min
litre per second (L/s)	0.001 m³/s	1,000 L/s
litre per minute (L/min)	0.00001666667 m³/s	60,000 L/min
litre per hour (L/h)	2.777778 × 10 ⁻⁷ m³/s	3,600,000 L/h
millilitre per minute (mL/min)	1.666667 × 10 ⁻⁸ m³/s	60,000,000 mL/min
US gallon per minute (gpm (US))	0.0000630902 m³/s	15,850.32 gpm (US)
imperial gallon per minute (gpm (UK))	0.00007576817 m³/s	13,198.15 gpm (UK)
US gallon per hour (gph (US))	0.000001051503 m³/s	951,019.4 gph (US)
cubic foot per minute (cfm)	0.0004719474 m³/s	2,118.88 cfm
cubic foot per second (ft³/s)	0.02831685 m³/s	35.31467 ft³/s
oil barrel per day (bbl/d)	0.000001840131 m³/s	543,439.7 bbl/d

gpm (US) → L/min	
GPM (US)	L/MIN
0.1 gpm (US)	0.3785412 L/min
0.5 gpm (US)	1.892706 L/min
1 gpm (US)	3.785412 L/min
2 gpm (US)	7.570824 L/min
5 gpm (US)	18.92706 L/min
10 gpm (US)	37.85412 L/min
20 gpm (US)	75.70824 L/min
25 gpm (US)	94.63529 L/min
50 gpm (US)	189.2706 L/min
100 gpm (US)	378.5412 L/min
250 gpm (US)	946.3529 L/min
500 gpm (US)	1,892.706 L/min
1,000 gpm (US)	3,785.412 L/min

L/min → gpm (US)	
L/MIN	GPM (US)
0.1 L/min	0.02641721 gpm (US)
0.5 L/min	0.132086 gpm (US)
1 L/min	0.2641721 gpm (US)
2 L/min	0.5283441 gpm (US)
5 L/min	1.32086 gpm (US)
10 L/min	2.641721 gpm (US)
20 L/min	5.283441 gpm (US)
25 L/min	6.604301 gpm (US)
50 L/min	13.2086 gpm (US)
100 L/min	26.41721 gpm (US)
250 L/min	66.04301 gpm (US)
500 L/min	132.086 gpm (US)
1,000 L/min	264.1721 gpm (US)

Formula: **L/min = gpm (US) × 3.785411784**