

Flow rate (mass) conversion chart

kg/s, kg/h, lb/h, t/h. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to kilograms per second (kg/s)		
UNIT	IN KG/S	1 KG/S IN UNIT
kilogram per second (kg/s)	1 kg/s	1 kg/s
kilogram per minute (kg/min)	0.01666667 kg/s	60 kg/min
kilogram per hour (kg/h)	0.0002777778 kg/s	3,600 kg/h
gram per second (g/s)	0.001 kg/s	1,000 g/s
tonne per hour (t/h)	0.2777778 kg/s	3.6 t/h
pound per second (lb/s)	0.4535924 kg/s	2.204623 lb/s
pound per minute (lb/min)	0.007559873 kg/s	132.2774 lb/min
pound per hour (lb/h)	0.0001259979 kg/s	7,936.641 lb/h

lb/h → kg/h	
LB/H	KG/H
0.1 lb/h	0.04535924 kg/h
0.5 lb/h	0.2267962 kg/h
1 lb/h	0.4535924 kg/h
2 lb/h	0.9071847 kg/h
5 lb/h	2.267962 kg/h
10 lb/h	4.535924 kg/h
20 lb/h	9.071847 kg/h
25 lb/h	11.33981 kg/h
50 lb/h	22.67962 kg/h
100 lb/h	45.35924 kg/h
250 lb/h	113.3981 kg/h
500 lb/h	226.7962 kg/h
1,000 lb/h	453.5924 kg/h

kg/h → lb/h	
KG/H	LB/H
0.1 kg/h	0.2204623 lb/h
0.5 kg/h	1.102311 lb/h
1 kg/h	2.204623 lb/h
2 kg/h	4.409245 lb/h
5 kg/h	11.02311 lb/h
10 kg/h	22.04623 lb/h
20 kg/h	44.09245 lb/h
25 kg/h	55.11557 lb/h
50 kg/h	110.2311 lb/h
100 kg/h	220.4623 lb/h
250 kg/h	551.1557 lb/h
500 kg/h	1,102.311 lb/h
1,000 kg/h	2,204.623 lb/h

Formula: $\text{kg/h} = \text{lb/h} \times 0.45359237$

