

Water Unit Conversions

For Volumes, Flow Rates, and Values (to 7 significant digits)

<i>Volumes</i>	<i>acre-foot</i>	<i>1000 gal</i>	<i>100 f³</i>	<i>1000 m³</i>
1 acre-foot =	1	325.8514	435.6000	1.233482
1000 gal =	0.003068883	1	1.336806	0.003785412
100 f ³ =	0.002295684	0.7480519	1	0.002831685
1000 m ³ =	0.8107132	264.1721	353.1467	1
1 gigaliter =	810.7132	264172.1	353146.7	1000

<i>Flows</i>	<i>af/yr</i>	<i>gpm</i>	<i>f³/s</i>	<i>m³/s</i>
1 af/yr =	1	0.6195365	0.001380333	0.00003908668
1 gpm =	1.614110	1	0.002228009	0.00006309020
1 f ³ /s =	724.4628	448.8312	1	0.02831685
1 m ³ /s =	25584.16	15850.32	35.31467	1

1 million gallons per day (mgd) = 1120.910 af/yr

<i>Values</i>	<i>\$/af</i>	<i>\$/1000 gal</i>	<i>\$/100 f³</i>	<i>\$/1000 m³</i>
\$1/af =	1	0.003068883	0.002295684	0.8107132
\$1/1000 gal =	325.8514	1	0.7480519	264.1721
\$1/100 f ³ =	435.6000	1.336806	1	353.1467
\$1/1000 m ³ =	1.233482	0.003785412	0.002831685	1

Abbreviations

af = acre-feet
 (1 acre = 0.4046856 hectares (10,000 m²))
 af/yr = acre-feet per year
 f³ = cubic feet
 f³/s = cubic feet per second

m³ = cubic meters (1 m³ = 1000 liters;
 1 gigaliter = 1 million m³)
 m³/s = cubic meters per second
 gal = gallons (U.S. liquid)
 gpm = gallons per minute

Download this table at: www.waterecon.com/pdfs/waterunits.pdf