

Equivalent Units

Flow Rate	
1 ft ³ /s = 1.9835 AF/d	1 l/s = 15.852 gpm
1 ft ³ /s = 724.46 AFY	1 l/sec = 0.03532 ft ³ /s
1 ft ³ /s = 448.83 gpm	1 m ³ /d = 35.315 ft ³ /d
1 ft ³ /s = 28.317 l/s	1 m ³ /d = 264.17 gpd
1 ft ³ /s = 2446.6 m ³ /d	1 m ³ /d = 0.18345 gpm
1 ft ³ /s = 0.64632 mgd	1 m ³ /s = 35.315 ft ³ /s
1 gpm = 1.6130 AF/yr	1 mgd = 1.5472 cfs
1 gpm = 5.4510 m ³ /d	1 mgd = 694.44 gpm
1 gpm = 192.50 ft ³ /d	
1 gpm = 0.13442 AF/mo	
Hydraulic Conductivity	
1 cm/s = 2834.6 ft/d	1 gpd/ft ² = 4.7160 x 10 ⁻⁵ cm/s
1 ft/d = 7.4805 gpd/ft ²	1 m/sec = 2.8346 x 10 ⁵ ft/day
1 ft/d = 0.3048 m/d	1 m/d = 3.2808 ft/d
	1 m/d = 24.542 gpd/ft ²
Permeability	
1 ft/d = 0.36648 darcy (ρ = 1, ν = 1 cp)	1 ft/d = 3.6210 x 10 ⁻⁹ cm ² (ρ = 1, ν = 1 cp)
Transmissivity	
1 ft ₂ /d = 7.4805 gpd/ft	1 m ₂ /s = 9.3000 x 10 ⁵ ft ² /d
1 m ₂ /d = 10.764 ft ² /d	1 m ₂ /s = 6.9569 x 10 ⁶ gpd/ft
1 m ₂ /d = 80.517 gpd/ft	
Pressure	
1 atmos = 29.921 in Hg	1 atmos = 1013.3 millibars
1 atmos = 760.00 mm Hg	1 atmos = 14.696 psi
1 atmos = 33.910 ft water	1 ft water = 0.43354 psi
1 atmos = 1.0133 bars	1 psi = 6894.7 Pa (N/m ²)
	1 kg/cm ₂ = 14.223 psi
Specific Capacity	
1 gpm/ft = 17.884 m ³ /d/m	1 gpm/ft = 0.20697 l/s/m
Area	
1 acre = 43560 ft ²	1 Km ² = 247.11 acres
1 acre = 0.40469 ha	1 mi ² = 2.5900 Km ²
1 ft ₂ = 0.09290 m ²	
Volume	
1 AF = 1233.5 m ³	1 gal = 3.7854 l
1 AF = 43560 ft ³	1 l = 0.26417 gal
1 ft ₃ = 7.4805 gal	1 m ₃ = 264.17 gal
1 ft ₃ = 28.317 l	1 m ₃ = 35.315 ft ³
1 gal = 0.83267 gal Imperial	