

ION EXCHANGING UNITS CONVERSION FACTORS

GE 15 / 1

IONIC CONCENTRATION		
°f	x 10	= ppm as CaCO ₃
°f	0.70	Grains/gal. (Imp.) as CaCO ₃
°f	0.584	Grains/gal. (U.S) as CaCO ₃
°f	0.56	°dH
°dH	17.85	ppm as CaCO ₃
°dH	1.25	Gr./gal. (Imp.) as CaCO ₃
°dH	1.042	Gr./gal. (U.S) as CaCO ₃
°dH	1.785	°f
eq/l	21.85	Kgr. as CaCO ₃ /ft ³
eq/l	28.0	gCaO/l
Gr./ft ³ as CaCO ₃	4.57 x 10 ⁻⁵	eq/l - val/l
Gr./gal. (Imp.) as CaCO ₃	0.800	°dH
Gr./gal. (Imp.) as CaCO ₃	1.428	°f
Gr./gal. (Imp.) as CaCO ₃	0.833	Gr./gal. (U.S) as CaCO ₃
Gr./gal. (Imp.) as CaCO ₃	14.28	ppm as CaCO ₃
Gr./gal. (Imp.) as CaCO ₃	0.286	meq/l - mval/l
Gr./gal. (U.S) as CaCO ₃	0.959	°dH
Gr./gal. (U.S) as CaCO ₃	1.712	°f
Gr./gal. (U.S) as CaCO ₃	1.201	Gr./gal. (Imp.) as CaCO ₃
Gr./gal. (U.S) as CaCO ₃	17.12	ppm as CaCO ₃
Gr./gal. (U.S) as CaCO ₃	0.342	meq/l - mval/l
Gallons/ft ³ (U.S)	0.134	l/l
gCaO/l	0.780	Kgr. as CaCO ₃ /ft ³
gCaO/l	0.0357	eq/l - val/l
Kgr. as CaCO ₃ /ft ³	0.0458	eq/l - val/l
Kgr. as CaCO ₃ /ft ³	1.28	gCaO/l
meq/ml - mval/ml	21.85	Kgr. as CaCO ₃ /ft ³
meq/ml - mval/ml	28	gCaO/l
ppm as CaCO ₃	0.10	°f
ppm as CaCO ₃	0.056	°dH
ppm as CaCO ₃	0.070	Gr./gal. (Imp.) as CaCO ₃
ppm as CaCO ₃	0.0584	Gr./gal. (U.S) as CaCO ₃
ppm as CaCO ₃	0.020	meq/l - mval/l
°f: French degree °dH: Deutsche Härte Grad (German degree) Gr: Grain: 64.799 mg Kgr: kilograin: 64.799 g. as CaCO ₃ : expressed in CaCO ₃ val, mval: German designations for the equivalent and the milliequivalent ppm: parts per million: milligrams per kilogram (per litre for water)		

VOLUMIC FACTOR		
Multiplying coefficient		Multiplying coefficient
litre per litre of resin	6.22	= imp.gal/ ft ³
litre per litre of resin	7.481	US gal./ ft ³
Imp.Gal./ ft ³	0.16	l/l (of resin)
US.Gal./ ft ³	0.134	l/l (of resin)
<i>Example:</i> Multiplying by 6.22 the volumic factor expressed in litre per litre of resin would result in a factor value expressed in imperial gallons per cubic foot.		