



EXPANSION FACTOR TABLE

For Calculating the Net Expansion of Water

CAUTION: This chart is for water only. For expansion factors for glycol solutions contact the Wessels factory or your local Wessels dealer.

FINAL TEMP °F.	INITIAL TEMPERATURE °F													
	40	45	50	55	60	65	70	75	80	85	90	95	100	
50°	.00006	.00008	-											
55°	.00025	.00027	.00019	-										
60°	.00055	.00057	.00049	.00030	-									
65°	.00093	.00095	.00087	.00068	.00038	-								
70°	.00149	.00151	.00143	.00124	.00094	.00056	-							
75°	.00194	.00196	.00188	.00169	.00139	.00101	.00045	-						
80°	.00260	.00262	.00254	.00235	.00205	.00167	.00111	.00066	-					
85°	.00326	.00328	.00320	.00301	.00271	.00233	.00177	.00132	.00066	-				
90°	.00405	.00407	.00399	.00380	.00350	.00312	.00256	.00211	.00145	.00079	-			
95°	.00485	.00487	.00479	.00460	.00430	.00392	.00336	.00291	.00225	.00159	.00080	-		
100°	.00575	.00577	.00569	.00550	.00520	.00482	.00426	.00381	.00315	.00249	.00170	.00090	-	
105°	.00671	.00673	.00665	.00646	.00616	.00578	.00522	.00477	.00411	.00345	.00266	.00186	.00096	
110°	.00771	.00773	.00765	.00746	.00716	.00678	.00622	.00577	.00511	.00445	.00366	.00286	.00196	
115°	.00879	.00881	.00873	.00854	.00824	.00786	.00730	.00685	.00619	.00553	.00474	.00394	.00304	
120°	.01004	.01006	.00998	.00979	.00949	.00911	.00855	.00810	.00744	.00678	.00599	.00519	.00429	
125°	.01111	.01113	.01105	.01086	.01056	.01018	.00962	.00917	.00851	.00785	.00706	.00625	.00536	
130°	.01236	.01238	.01230	.01211	.01181	.01143	.01087	.01042	.00976	.00910	.00831	.00751	.00661	
135°	.01368	.01370	.01362	.01342	.01313	.01275	.01219	.01174	.01108	.01042	.00963	.00883	.00793	
140°	.01501	.01503	.01495	.01476	.01446	.01408	.01352	.01307	.01241	.01175	.01096	.01016	.00926	
145°	.01643	.01645	.01637	.01618	.01588	.01550	.01494	.01449	.01383	.01317	.01238	.01158	.01068	
150°	.01787	.01787	.01779	.01760	.01730	.01692	.01636	.01591	.01525	.01459	.01330	.01300	.01210	
155°	.01937	.01939	.01931	.01912	.01882	.01844	.01788	.01743	.01677	.01611	.01532	.01452	.01362	
160°	.02092	.02094	.02086	.02067	.02037	.01999	.01943	.01877	.01811	.01732	.01652	.01572	.01482	
165°	.02252	.02254	.02246	.02227	.02197	.02159	.02103	.02058	.01992	.01926	.01847	.01767	.01677	
170°	.02418	.02420	.02412	.02393	.02363	.02325	.02269	.02224	.02158	.02092	.02013	.01933	.01843	
175°	.02588	.02590	.02582	.02563	.02533	.02495	.02439	.02394	.02328	.02262	.02183	.02103	.02013	
180°	.02763	.02765	.02757	.02738	.02708	.02670	.02614	.02569	.02503	.02437	.02358	.02278	.02188	
185°	.02941	.02943	.02935	.02916	.02886	.02848	.02792	.02747	.02681	.02615	.02536	.02456	.02366	
190°	.03127	.03129	.03121	.03102	.03072	.03034	.02978	.02933	.02867	.02801	.02722	.02642	.02552	
195°	.03314	.03316	.03308	.03289	.03259	.03221	.03165	.03120	.03054	.02988	.02909	.02829	.02739	
200°	.03510	.03512	.03504	.03485	.03455	.03417	.03361	.03316	.03250	.03184	.03105	.03025	.02935	
205°	.03707	.03709	.03701	.03682	.03652	.03614	.03558	.03513	.03447	.03381	.03302	.03222	.03132	
210°	.03911	.03913	.03905	.03885	.03856	.03818	.03762	.03717	.03651	.03585	.03506	.03426	.03336	
215°	.04120	.04122	.04114	.04095	.04065	.04027	.03971	.03926	.03860	.03794	.03715	.03635	.03545	
220°	.04335	.04337	.04329	.04310	.04280	.04242	.04186	.04141	.04075	.04009	.03930	.03850	.03760	
225°	.04549	.04551	.04543	.04524	.04494	.04456	.04400	.04355	.04289	.04223	.04144	.04064	.03974	
230°	.04762	.04764	.04756	.04737	.04707	.04669	.04613	.04568	.04502	.04436	.04357	.04277	.04187	
235°	.04991	.04993	.04985	.04966	.04936	.04898	.04842	.04797	.04731	.04665	.04586	.04506	.04416	
240°	.05220	.05222	.05214	.05195	.05165	.05127	.05071	.05026	.04960	.04894	.04815	.04735	.04645	
245°	.05449	.05451	.05443	.05424	.05394	.05356	.05300	.05255	.05189	.05123	.05044	.04964	.04874	