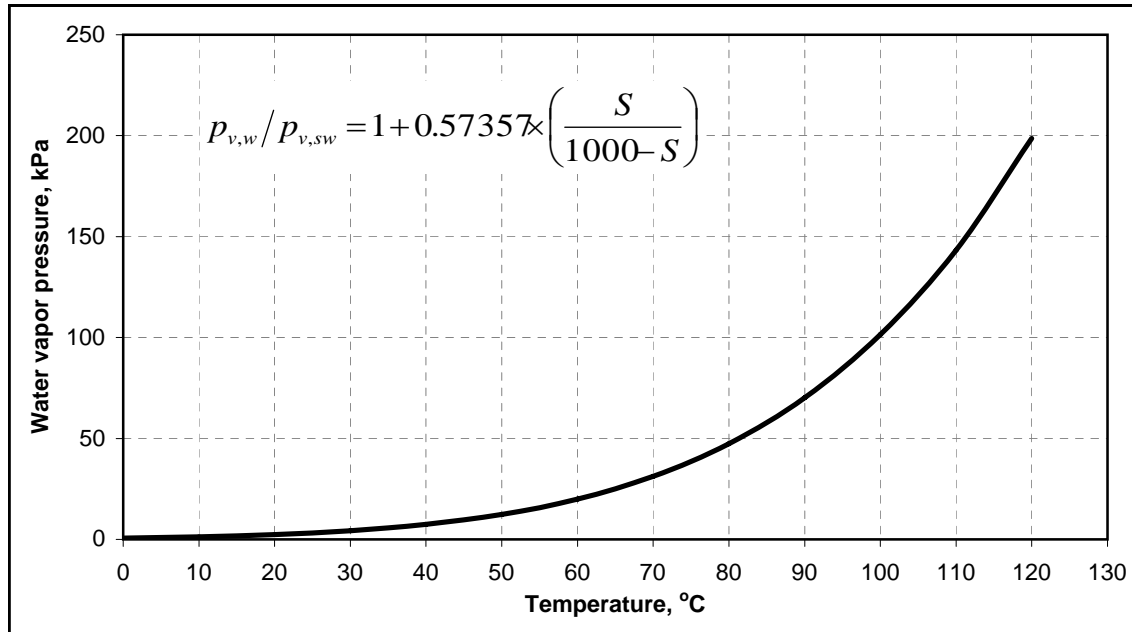


**Vapor (saturation) pressure, kPa**

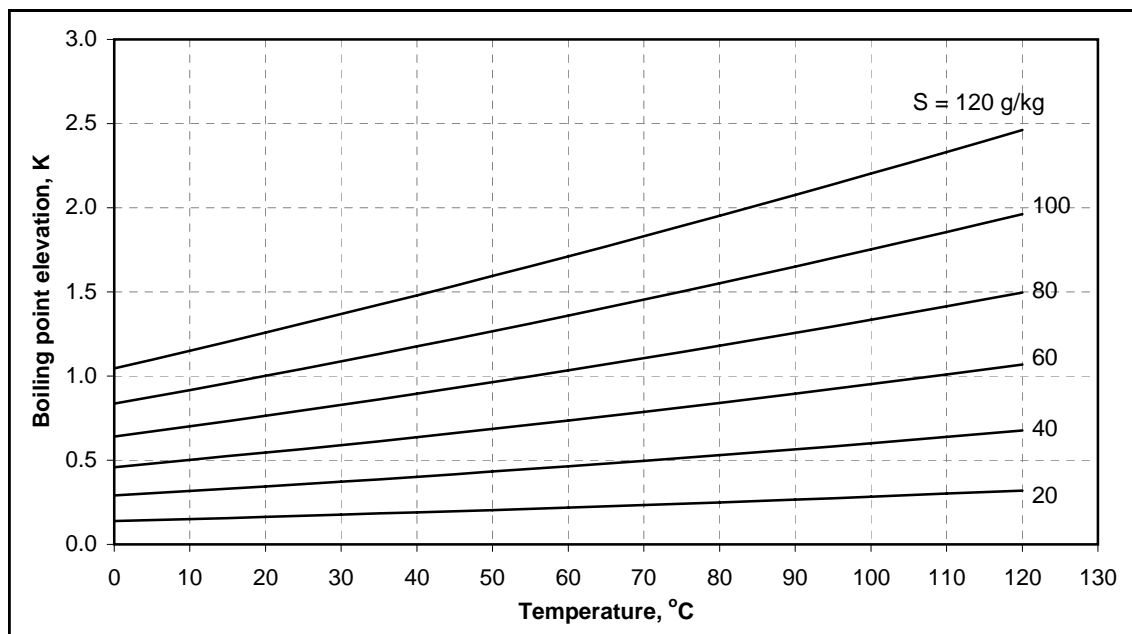
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	0.611	0.608	0.604	0.601	0.597	0.593	0.590	0.586	0.582	0.578	0.575	0.571	0.567
10	1.228	1.221	1.214	1.207	1.199	1.192	1.185	1.177	1.170	1.162	1.154	1.147	1.139
20	2.339	2.325	2.312	2.298	2.284	2.270	2.256	2.242	2.228	2.213	2.199	2.184	2.169
30	4.247	4.222	4.197	4.172	4.147	4.122	4.096	4.070	4.044	4.018	3.992	3.965	3.938
40	7.384	7.341	7.298	7.255	7.211	7.167	7.123	7.078	7.033	6.987	6.941	6.895	6.848
50	12.351	12.279	12.207	12.135	12.062	11.988	11.914	11.839	11.763	11.687	11.610	11.532	11.454
60	19.946	19.829	19.713	19.596	19.478	19.359	19.239	19.118	18.996	18.873	18.749	18.624	18.497
70	31.201	31.018	30.837	30.654	30.470	30.284	30.096	29.907	29.716	29.523	29.329	29.133	28.935
80	47.415	47.139	46.863	46.585	46.305	46.022	45.737	45.449	45.159	44.866	44.571	44.273	43.972
90	70.182	69.776	69.368	68.957	68.542	68.124	67.701	67.276	66.846	66.413	65.975	65.534	65.089
100	101.418	100.835	100.245	99.651	99.052	98.447	97.837	97.221	96.601	95.974	95.343	94.705	94.062
110	143.376	142.558	141.725	140.884	140.037	139.182	138.320	137.450	136.572	135.687	134.793	133.892	132.982
120	198.665	197.541	196.386	195.222	194.048	192.863	191.668	190.463	189.246	188.019	186.782	185.533	184.272



Accuracy ±0.1%

**Boiling point elevation, K**

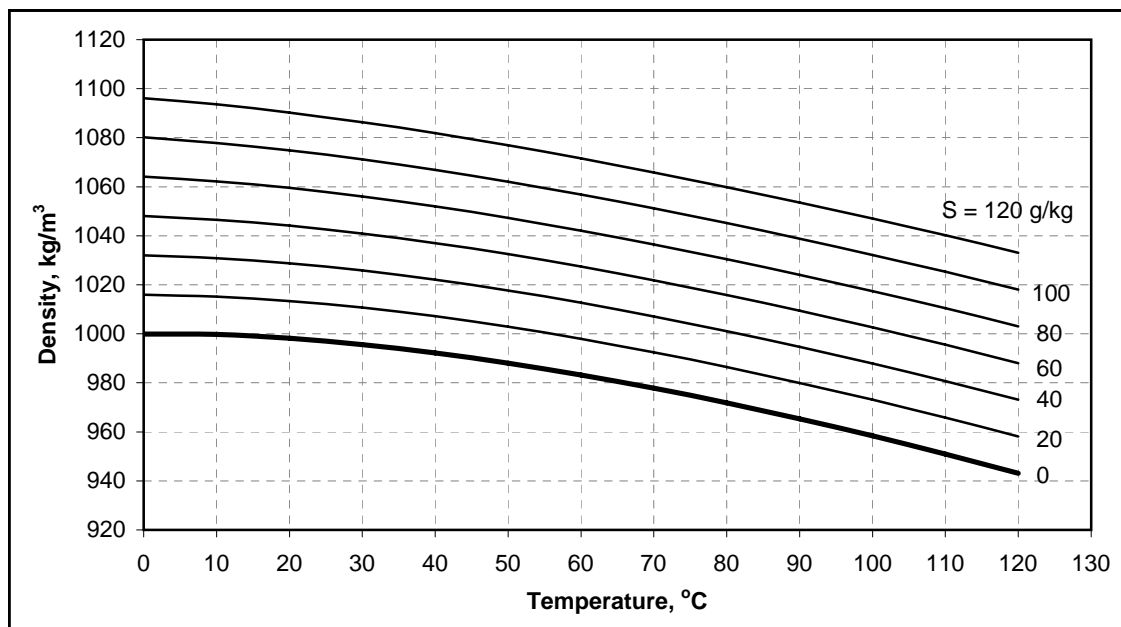
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	0.000	0.067	0.138	0.213	0.291	0.373	0.458	0.547	0.640	0.736	0.836	0.939	1.046
10	0.000	0.073	0.150	0.232	0.317	0.407	0.501	0.599	0.701	0.807	0.917	1.032	1.151
20	0.000	0.079	0.163	0.251	0.344	0.442	0.545	0.652	0.764	0.880	1.002	1.128	1.258
30	0.000	0.085	0.176	0.272	0.373	0.479	0.590	0.707	0.829	0.956	1.088	1.225	1.368
40	0.000	0.092	0.190	0.293	0.402	0.517	0.637	0.764	0.895	1.033	1.176	1.325	1.480
50	0.000	0.099	0.204	0.315	0.433	0.556	0.686	0.822	0.964	1.112	1.267	1.428	1.595
60	0.000	0.106	0.219	0.338	0.464	0.597	0.736	0.882	1.035	1.194	1.360	1.532	1.711
70	0.000	0.114	0.234	0.362	0.497	0.639	0.788	0.944	1.107	1.277	1.455	1.639	1.831
80	0.000	0.121	0.250	0.387	0.530	0.682	0.841	1.007	1.181	1.363	1.552	1.748	1.952
90	0.000	0.129	0.267	0.412	0.565	0.726	0.895	1.072	1.257	1.450	1.651	1.860	2.076
100	0.000	0.138	0.284	0.438	0.601	0.772	0.952	1.139	1.335	1.540	1.752	1.973	2.203
110	0.000	0.146	0.302	0.465	0.638	0.819	1.009	1.208	1.415	1.631	1.856	2.089	2.331
120	0.000	0.155	0.320	0.493	0.676	0.868	1.068	1.278	1.497	1.725	1.962	2.207	2.462



Accuracy  $\pm 0.018$  K

**Density, kg/m<sup>3</sup>**

Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	999.8	1007.9	1016.0	1024.0	1032.0	1040.0	1048.0	1056.1	1064.1	1072.1	1080.1	1088.1	1096.2
10	999.7	1007.4	1015.2	1023.0	1030.9	1038.7	1046.6	1054.4	1062.2	1070.1	1077.9	1085.7	1093.6
20	998.2	1005.7	1013.4	1021.1	1028.8	1036.5	1044.1	1051.8	1059.5	1067.2	1074.9	1082.6	1090.3
30	995.7	1003.1	1010.7	1018.2	1025.8	1033.4	1040.9	1048.5	1056.1	1063.6	1071.2	1078.7	1086.3
40	992.2	999.7	1007.1	1014.6	1022.1	1029.5	1037.0	1044.5	1052.0	1059.4	1066.9	1074.4	1081.8
50	988.0	995.5	1002.9	1010.3	1017.7	1025.1	1032.5	1039.9	1047.3	1054.7	1062.1	1069.5	1076.9
60	983.2	990.6	998.0	1005.3	1012.7	1020.0	1027.4	1034.7	1042.1	1049.5	1056.8	1064.2	1071.5
70	977.8	985.1	992.5	999.8	1007.1	1014.5	1021.8	1029.1	1036.5	1043.8	1051.2	1058.5	1065.8
80	971.8	979.1	986.5	993.8	1001.1	1008.5	1015.8	1023.1	1030.5	1037.8	1045.1	1052.5	1059.8
90	965.3	972.6	980.0	987.3	994.7	1002.0	1009.4	1016.8	1024.1	1031.5	1038.8	1046.2	1053.5
100	958.4	965.7	973.1	980.5	987.9	995.2	1002.6	1010.0	1017.4	1024.8	1032.2	1039.6	1047.0
110	950.9	958.3	965.8	973.2	980.6	988.1	995.5	1003.0	1010.4	1017.8	1025.3	1032.7	1040.2
120	943.1	950.6	958.1	965.6	973.1	980.6	988.1	995.6	1003.1	1010.6	1018.1	1025.6	1033.1

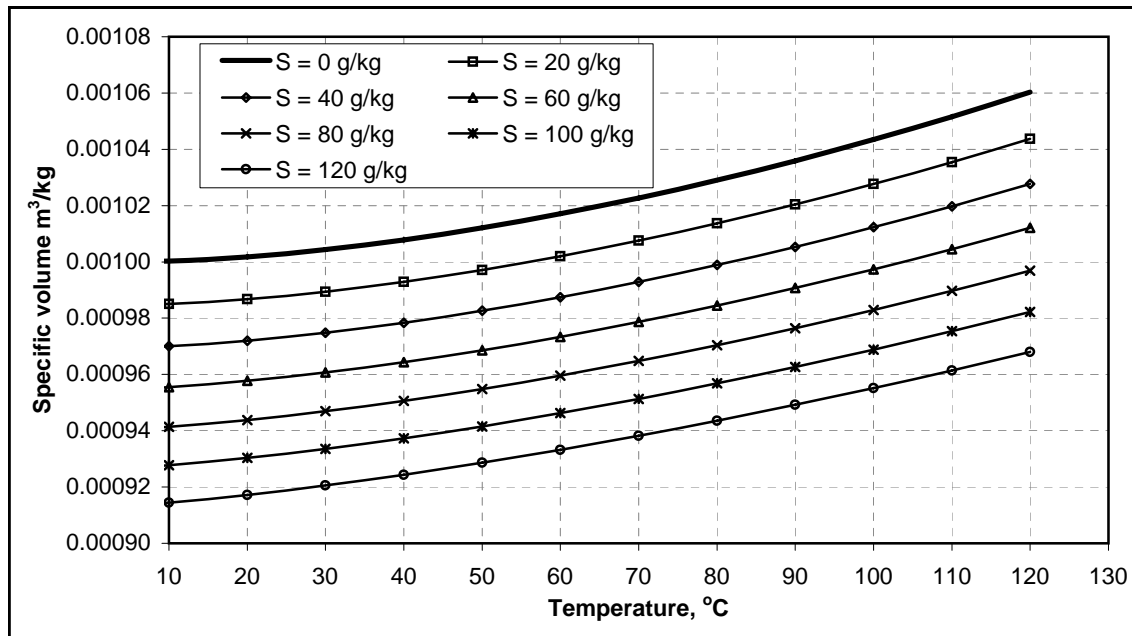


Accuracy ±0.1%

**Specific volume, m<sup>3</sup>/kg**

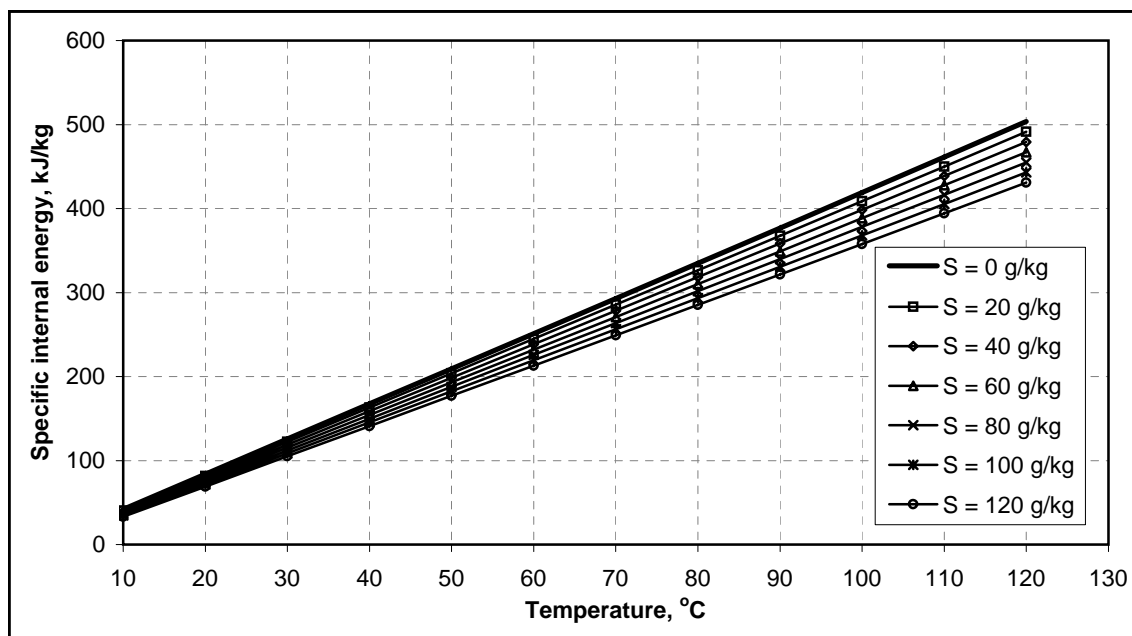
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096	0.00095	0.00095	0.00094	0.00093	0.00093	0.00092	0.00091
10	0.00100	0.00099	0.00099	0.00098	0.00097	0.00096	0.00096	0.00095	0.00094	0.00093	0.00093	0.00092	0.00091
20	0.00100	0.00099	0.00099	0.00098	0.00097	0.00096	0.00096	0.00095	0.00094	0.00094	0.00093	0.00092	0.00092
30	0.00100	0.00100	0.00099	0.00098	0.00097	0.00097	0.00096	0.00095	0.00095	0.00094	0.00093	0.00093	0.00092
40	0.00101	0.00100	0.00099	0.00099	0.00098	0.00097	0.00096	0.00096	0.00095	0.00094	0.00094	0.00093	0.00092
50	0.00101	0.00100	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096	0.00095	0.00095	0.00094	0.00094	0.00093
60	0.00102	0.00101	0.00100	0.00099	0.00099	0.00098	0.00097	0.00097	0.00096	0.00095	0.00095	0.00094	0.00093
70	0.00102	0.00102	0.00101	0.00100	0.00099	0.00099	0.00098	0.00097	0.00096	0.00096	0.00095	0.00094	0.00094
80	0.00103	0.00102	0.00101	0.00101	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096	0.00096	0.00095	0.00094
90	0.00104	0.00103	0.00102	0.00101	0.00101	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096	0.00096	0.00095
100	0.00104	0.00104	0.00103	0.00102	0.00101	0.00100	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096	0.00096
110	0.00105	0.00104	0.00104	0.00103	0.00102	0.00101	0.00100	0.00100	0.00099	0.00098	0.00098	0.00097	0.00096
120	0.00106	0.00105	0.00104	0.00104	0.00103	0.00102	0.00101	0.00100	0.00100	0.00099	0.00098	0.00098	0.00097

Accuracy ±0.1%



**Specific internal energy, kJ/kg**

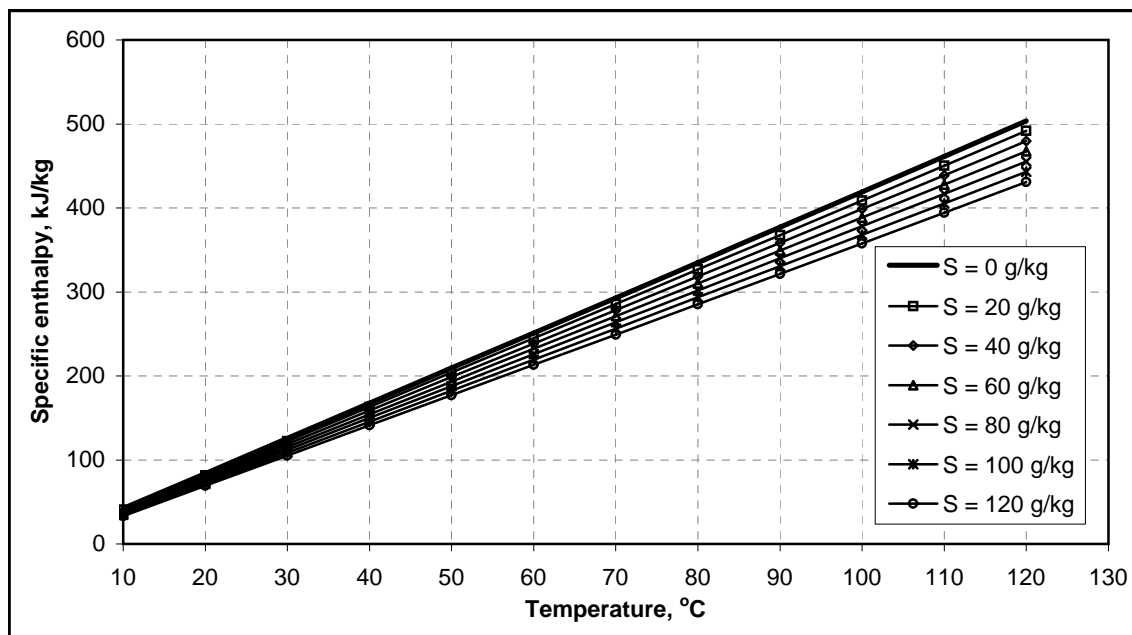
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
10	42.0	41.2	40.5	39.7	39.0	38.2	37.5	36.7	36.0	35.2	34.5	33.7	33.0
20	83.9	82.7	81.4	80.2	78.9	77.7	76.5	75.2	74.0	72.8	71.5	70.3	69.1
30	125.7	124.0	122.3	120.6	118.8	117.1	115.4	113.7	112.0	110.2	108.5	106.8	105.1
40	167.5	165.3	163.1	160.9	158.7	156.5	154.3	152.1	149.9	147.7	145.5	143.3	141.1
50	209.3	206.6	203.9	201.3	198.6	195.9	193.2	190.5	187.8	185.1	182.4	179.8	177.1
60	251.1	248.0	244.8	241.6	238.4	235.3	232.1	228.9	225.8	222.6	219.4	216.2	213.1
70	293.0	289.3	285.7	282.0	278.4	274.7	271.0	267.4	263.7	260.1	256.4	252.8	249.1
80	334.9	330.7	326.6	322.5	318.3	314.2	310.0	305.9	301.8	297.6	293.5	289.4	285.2
90	376.9	372.3	367.6	363.0	358.4	353.8	349.1	344.5	339.9	335.3	330.7	326.0	321.4
100	419.0	413.9	408.8	403.7	398.6	393.5	388.4	383.3	378.2	373.0	367.9	362.8	357.7
110	461.2	455.6	450.0	444.4	438.9	433.3	427.7	422.1	416.5	410.9	405.3	399.7	394.2
120	503.6	497.5	491.4	485.4	479.3	473.2	467.2	461.1	455.0	448.9	442.9	436.8	430.7



Accuracy ±0.5%

**Specific enthalpy, kJ/kg**

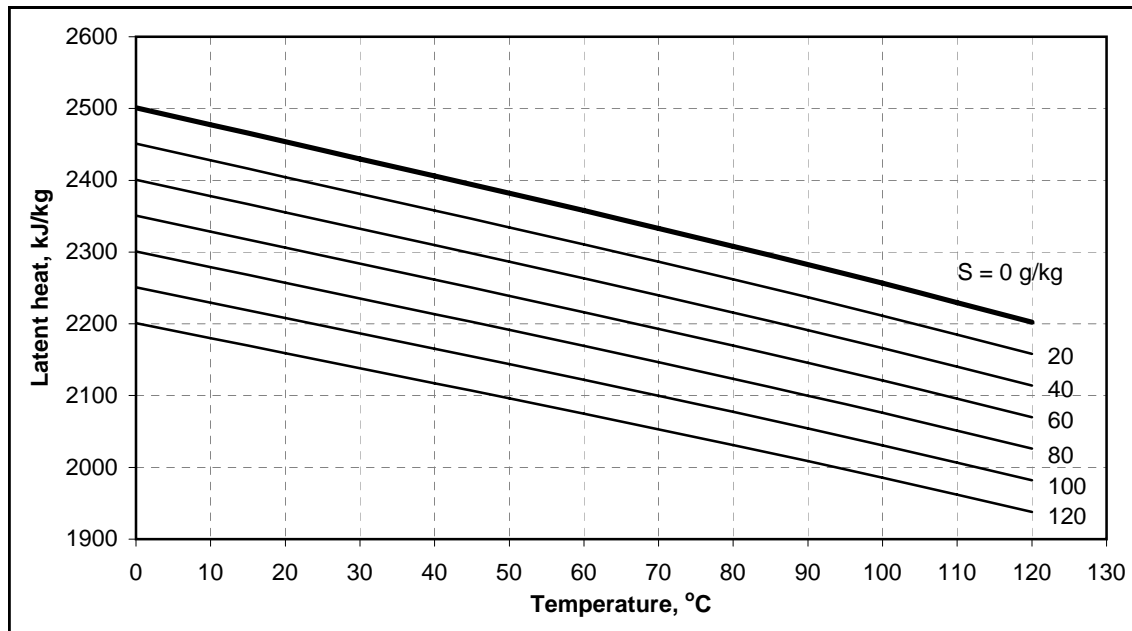
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
10	42.1	41.4	40.6	39.8	39.1	38.3	37.6	36.8	36.1	35.3	34.6	33.8	33.1
20	84.0	82.8	81.5	80.3	79.0	77.8	76.6	75.3	74.1	72.9	71.6	70.4	69.1
30	125.8	124.1	122.4	120.7	118.9	117.2	115.5	113.8	112.1	110.3	108.6	106.9	105.2
40	167.6	165.4	163.2	161.0	158.8	156.6	154.4	152.2	150.0	147.8	145.6	143.4	141.2
50	209.4	206.7	204.0	201.4	198.7	196.0	193.3	190.6	187.9	185.2	182.5	179.8	177.2
60	251.2	248.1	244.9	241.7	238.5	235.4	232.2	229.0	225.9	222.7	219.5	216.3	213.2
70	293.1	289.4	285.8	282.1	278.5	274.8	271.1	267.5	263.8	260.2	256.5	252.9	249.2
80	335.0	330.8	326.7	322.6	318.4	314.3	310.1	306.0	301.9	297.7	293.6	289.5	285.3
90	377.0	372.4	367.7	363.1	358.5	353.9	349.2	344.6	340.0	335.4	330.8	326.1	321.5
100	419.1	414.0	408.9	403.8	398.7	393.6	388.5	383.4	378.3	373.1	368.0	362.9	357.8
110	461.4	455.8	450.2	444.6	439.0	433.4	427.8	422.2	416.6	411.1	405.5	399.9	394.3
120	503.8	497.7	491.6	485.6	479.5	473.4	467.3	461.3	455.2	449.1	443.1	437.0	430.9



Accuracy ±0.5%

**Latent heat of vaporization, kJ/kg**

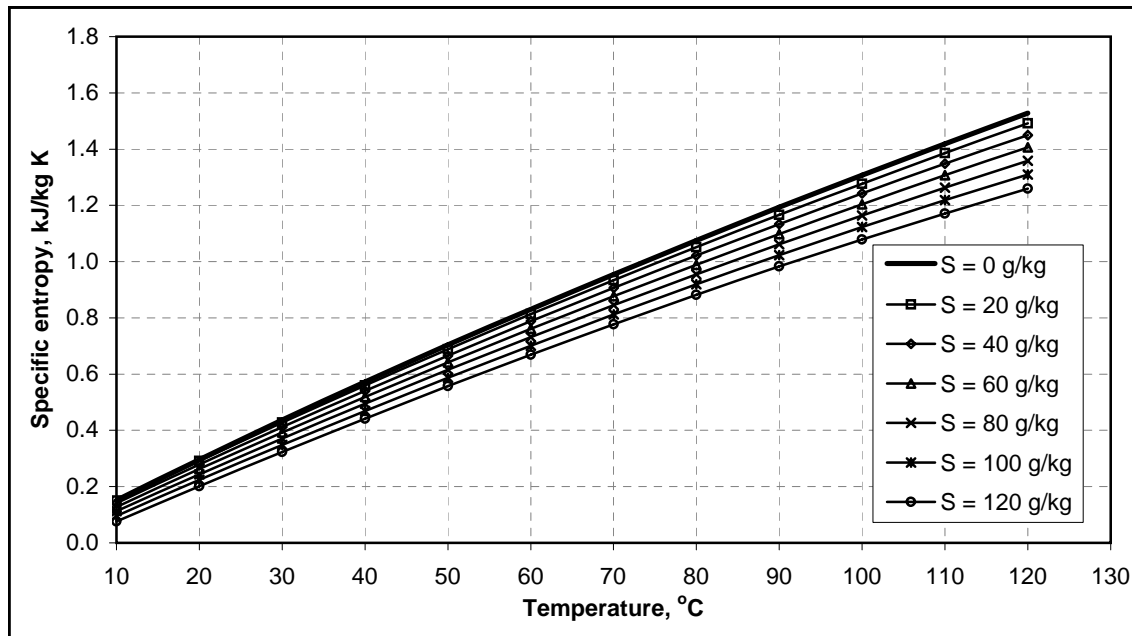
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	2500.9	2475.9	2450.9	2425.9	2400.9	2375.9	2350.8	2325.8	2300.8	2275.8	2250.8	2225.8	2200.8
10	2477.2	2452.5	2427.7	2402.9	2378.1	2353.4	2328.6	2303.8	2279.0	2254.3	2229.5	2204.7	2180.0
20	2453.6	2429.0	2404.5	2379.9	2355.4	2330.9	2306.3	2281.8	2257.3	2232.7	2208.2	2183.7	2159.1
30	2429.8	2405.5	2381.2	2356.9	2332.6	2308.3	2284.0	2259.7	2235.4	2211.1	2186.8	2162.5	2138.2
40	2406.0	2381.9	2357.9	2333.8	2309.7	2285.7	2261.6	2237.6	2213.5	2189.4	2165.4	2141.3	2117.3
50	2382.0	2358.1	2334.3	2310.5	2286.7	2262.9	2239.0	2215.2	2191.4	2167.6	2143.8	2120.0	2096.1
60	2357.7	2334.1	2310.5	2287.0	2263.4	2239.8	2216.2	2192.7	2169.1	2145.5	2121.9	2098.3	2074.8
70	2333.1	2309.8	2286.4	2263.1	2239.8	2216.4	2193.1	2169.8	2146.4	2123.1	2099.8	2076.5	2053.1
80	2308.1	2285.0	2261.9	2238.8	2215.8	2192.7	2169.6	2146.5	2123.4	2100.4	2077.3	2054.2	2031.1
90	2282.6	2259.7	2236.9	2214.1	2191.3	2168.4	2145.6	2122.8	2100.0	2077.1	2054.3	2031.5	2008.7
100	2256.5	2233.9	2211.3	2188.8	2166.2	2143.7	2121.1	2098.5	2076.0	2053.4	2030.8	2008.3	1985.7
110	2229.7	2207.4	2185.1	2162.8	2140.5	2118.2	2095.9	2073.6	2051.3	2029.0	2006.7	1984.4	1962.1
120	2202.1	2180.1	2158.1	2136.1	2114.1	2092.0	2070.0	2048.0	2026.0	2003.9	1981.9	1959.9	1937.9



Accuracy  $\pm 0.01\%$

**Specific entropy, kJ/kg K**

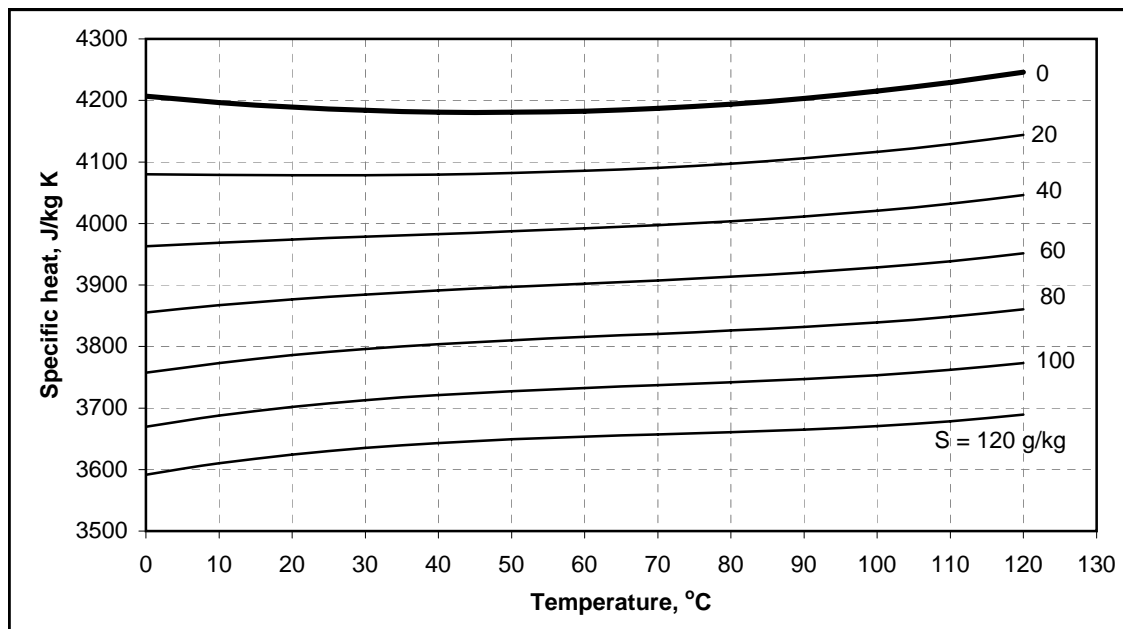
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
10	0.151	0.152	0.150	0.146	0.141	0.135	0.128	0.121	0.113	0.105	0.096	0.086	0.076
20	0.296	0.295	0.291	0.286	0.279	0.271	0.263	0.254	0.244	0.234	0.224	0.213	0.201
30	0.437	0.433	0.428	0.420	0.412	0.403	0.393	0.382	0.371	0.360	0.348	0.336	0.323
40	0.572	0.567	0.560	0.551	0.541	0.530	0.519	0.507	0.495	0.482	0.469	0.456	0.442
50	0.704	0.697	0.688	0.678	0.666	0.654	0.642	0.628	0.615	0.601	0.587	0.573	0.557
60	0.831	0.823	0.813	0.801	0.788	0.775	0.761	0.746	0.732	0.717	0.701	0.686	0.669
70	0.955	0.945	0.934	0.921	0.907	0.892	0.877	0.861	0.845	0.829	0.812	0.795	0.777
80	1.075	1.064	1.051	1.037	1.022	1.006	0.989	0.972	0.955	0.937	0.919	0.901	0.882
90	1.193	1.180	1.166	1.150	1.133	1.116	1.098	1.080	1.061	1.042	1.023	1.003	0.983
100	1.307	1.293	1.277	1.260	1.242	1.223	1.204	1.184	1.164	1.144	1.123	1.101	1.079
110	1.419	1.403	1.386	1.367	1.348	1.327	1.307	1.285	1.263	1.241	1.219	1.195	1.171
120	1.528	1.511	1.492	1.472	1.450	1.428	1.406	1.382	1.359	1.335	1.310	1.285	1.259



Accuracy ±0.5%

**Specific heat at constant pressure, J/kg K**

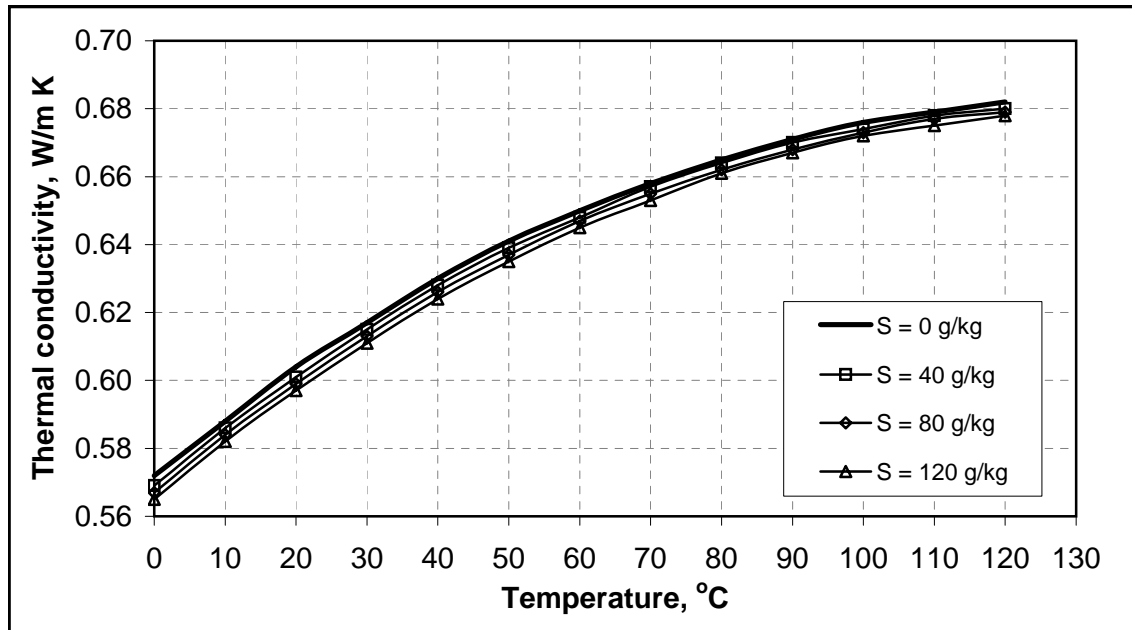
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	4206.8	4142.1	4079.9	4020.1	3962.7	3907.8	3855.3	3805.2	3757.6	3712.4	3669.7	3629.3	3591.5
10	4196.7	4136.7	4078.8	4022.8	3968.9	3916.9	3867.1	3819.2	3773.3	3729.5	3687.7	3647.9	3610.1
20	4189.1	4132.8	4078.2	4025.3	3974.1	3924.5	3876.6	3830.4	3785.9	3743.0	3701.8	3662.3	3624.5
30	4183.9	4130.5	4078.5	4027.8	3978.6	3930.8	3884.4	3839.4	3795.8	3753.6	3712.7	3673.3	3635.3
40	4181.0	4129.7	4079.6	4030.7	3982.9	3936.4	3891.0	3846.7	3803.7	3761.8	3721.1	3681.6	3643.2
50	4180.6	4130.8	4081.9	4034.1	3987.3	3941.5	3896.6	3852.9	3810.1	3768.3	3727.5	3687.8	3649.0
60	4182.7	4133.7	4085.5	4038.3	3992.0	3946.5	3902.0	3858.3	3815.5	3773.7	3732.7	3692.6	3653.4
70	4187.1	4138.5	4090.6	4043.6	3997.3	3951.9	3907.4	3863.6	3820.6	3778.5	3737.2	3696.7	3657.0
80	4194.0	4145.3	4097.3	4050.1	4003.7	3958.1	3913.3	3869.2	3825.9	3783.5	3741.7	3700.8	3660.7
90	4203.4	4154.2	4105.9	4058.3	4011.5	3965.4	3920.2	3875.7	3832.0	3789.1	3746.9	3705.6	3665.0
100	4215.2	4165.4	4116.4	4068.2	4020.9	3974.3	3928.5	3883.6	3839.4	3796.0	3753.5	3711.7	3670.8
110	4229.4	4178.8	4129.1	4080.2	4032.2	3985.1	3938.7	3893.3	3848.6	3804.9	3761.9	3719.9	3678.6
120	4246.1	4194.7	4144.2	4094.6	4045.9	3998.2	3951.3	3905.4	3860.3	3816.2	3773.0	3730.7	3689.4



Accuracy  $\pm 0.28\%$

**Thermal conductivity, W/m K**

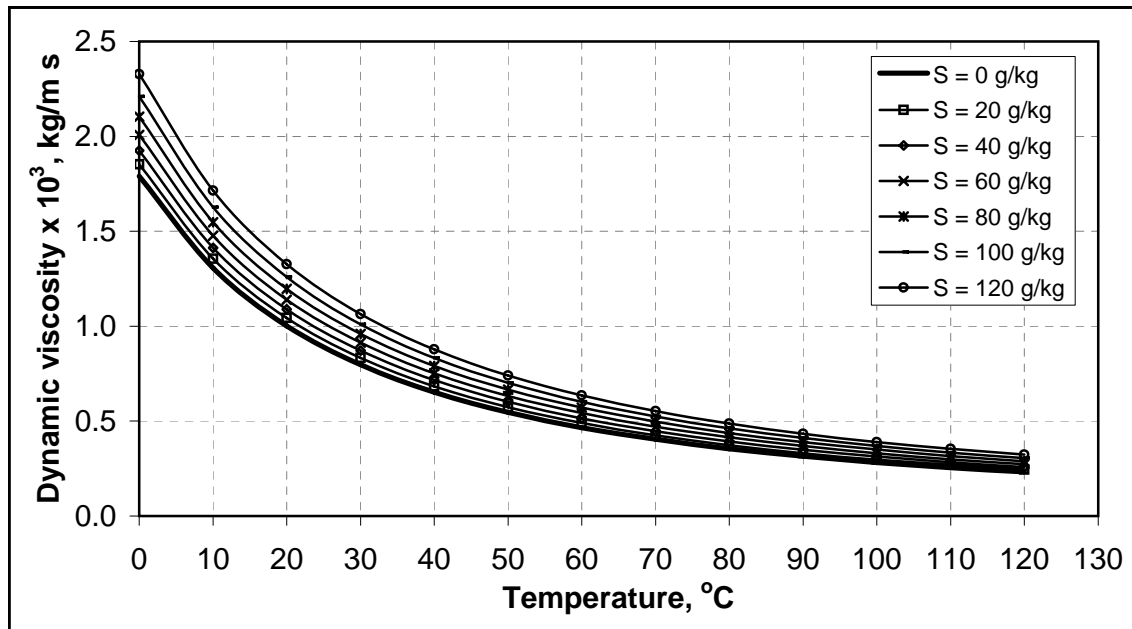
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	0.572	0.571	0.570	0.570	0.569	0.569	0.568	0.568	0.567	0.566	0.566	0.565	0.565
10	0.588	0.588	0.587	0.587	0.586	0.585	0.585	0.584	0.584	0.583	0.583	0.582	0.582
20	0.604	0.603	0.602	0.602	0.601	0.601	0.600	0.600	0.599	0.599	0.598	0.598	0.597
30	0.617	0.617	0.616	0.616	0.615	0.615	0.614	0.614	0.613	0.613	0.612	0.612	0.611
40	0.630	0.629	0.629	0.628	0.628	0.627	0.627	0.626	0.626	0.625	0.625	0.624	0.624
50	0.641	0.640	0.640	0.639	0.639	0.638	0.638	0.637	0.637	0.636	0.636	0.635	0.635
60	0.650	0.650	0.649	0.649	0.648	0.648	0.647	0.647	0.647	0.646	0.646	0.645	0.645
70	0.658	0.658	0.658	0.657	0.657	0.656	0.656	0.655	0.655	0.655	0.654	0.654	0.653
80	0.665	0.665	0.665	0.664	0.664	0.663	0.663	0.663	0.662	0.662	0.661	0.661	0.661
90	0.671	0.671	0.670	0.670	0.670	0.669	0.669	0.669	0.668	0.668	0.667	0.667	0.667
100	0.676	0.675	0.675	0.675	0.674	0.674	0.674	0.673	0.673	0.673	0.672	0.672	0.672
110	0.679	0.679	0.679	0.678	0.678	0.678	0.677	0.677	0.677	0.676	0.676	0.676	0.675
120	0.682	0.681	0.681	0.681	0.680	0.680	0.680	0.679	0.679	0.679	0.679	0.678	0.678



Accuracy ±3.0%

**Dynamic viscosity x 10<sup>3</sup>, kg/m s**

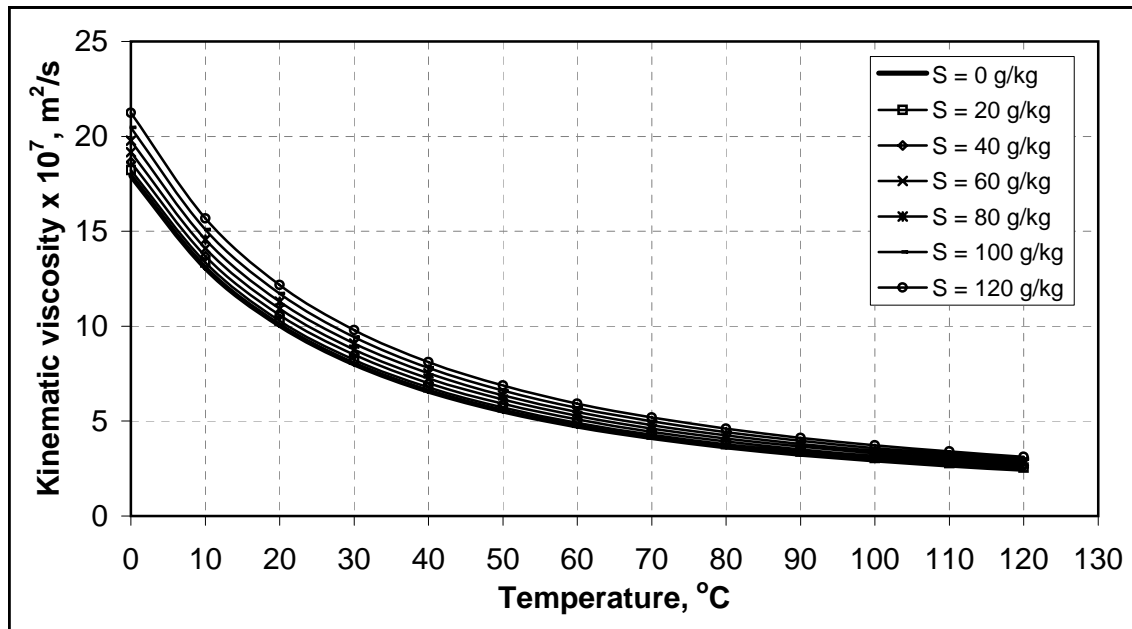
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	1.791	1.820	1.852	1.887	1.925	1.965	2.008	2.055	2.104	2.156	2.210	2.268	2.328
10	1.306	1.330	1.355	1.382	1.412	1.443	1.476	1.511	1.548	1.586	1.627	1.669	1.714
20	1.002	1.021	1.043	1.065	1.089	1.114	1.140	1.168	1.197	1.227	1.259	1.292	1.326
30	0.797	0.814	0.832	0.851	0.871	0.891	0.913	0.936	0.960	0.984	1.010	1.037	1.064
40	0.653	0.667	0.683	0.699	0.716	0.734	0.752	0.771	0.791	0.812	0.833	0.855	0.878
50	0.547	0.560	0.573	0.587	0.602	0.617	0.633	0.649	0.666	0.684	0.702	0.721	0.740
60	0.466	0.478	0.490	0.502	0.515	0.528	0.542	0.556	0.571	0.586	0.602	0.618	0.635
70	0.404	0.414	0.425	0.436	0.447	0.459	0.471	0.484	0.497	0.510	0.524	0.538	0.553
80	0.354	0.364	0.373	0.383	0.393	0.404	0.415	0.426	0.437	0.449	0.462	0.474	0.487
90	0.315	0.323	0.331	0.340	0.349	0.359	0.369	0.379	0.389	0.400	0.411	0.422	0.434
100	0.282	0.289	0.297	0.305	0.313	0.322	0.331	0.340	0.350	0.359	0.369	0.380	0.390
110	0.255	0.262	0.269	0.276	0.283	0.291	0.299	0.308	0.316	0.325	0.334	0.344	0.354
120	0.232	0.238	0.245	0.251	0.258	0.265	0.273	0.280	0.288	0.297	0.305	0.314	0.323



Accuracy ±1.5%

**Kinematic viscosity  $\times 10^7$ ,  $m^2/s$**

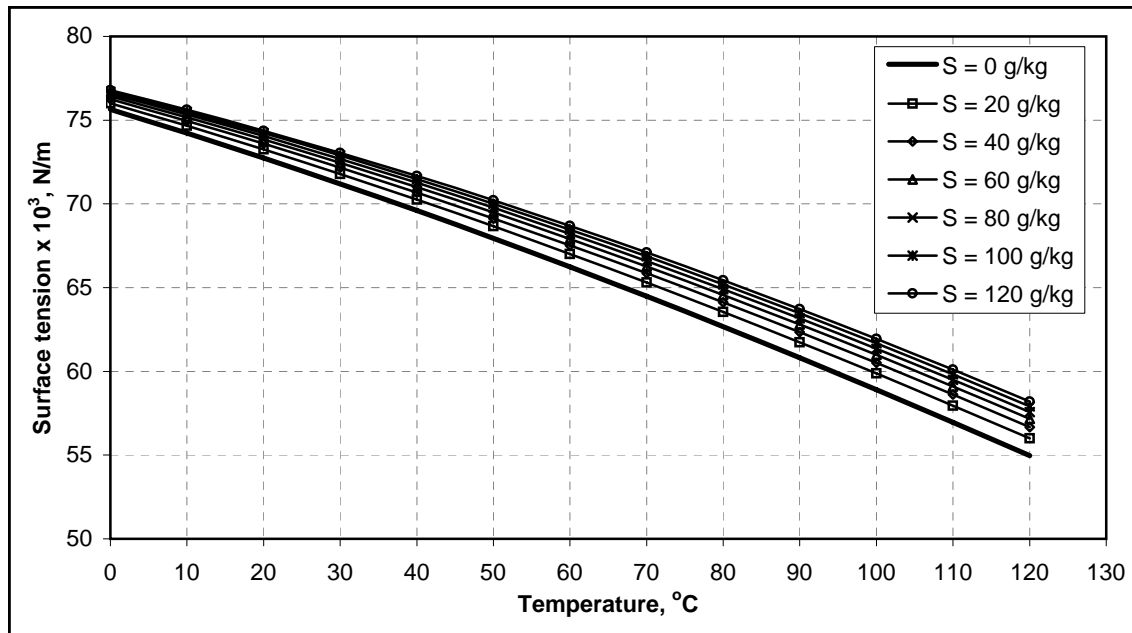
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	17.92	18.06	18.23	18.43	18.65	18.90	19.16	19.46	19.77	20.11	20.46	20.84	21.24
10	13.07	13.20	13.35	13.51	13.69	13.89	14.10	14.33	14.57	14.82	15.09	15.38	15.67
20	10.04	10.16	10.29	10.43	10.58	10.75	10.92	11.10	11.30	11.50	11.71	11.93	12.17
30	8.01	8.12	8.23	8.36	8.49	8.63	8.77	8.93	9.09	9.26	9.43	9.61	9.80
40	6.58	6.68	6.78	6.89	7.00	7.13	7.25	7.38	7.52	7.66	7.81	7.96	8.11
50	5.53	5.62	5.71	5.81	5.91	6.02	6.13	6.24	6.36	6.48	6.61	6.74	6.87
60	4.74	4.82	4.91	4.99	5.08	5.18	5.28	5.38	5.48	5.59	5.70	5.81	5.93
70	4.13	4.20	4.28	4.36	4.44	4.52	4.61	4.70	4.79	4.89	4.98	5.08	5.19
80	3.65	3.71	3.78	3.85	3.93	4.00	4.08	4.16	4.25	4.33	4.42	4.51	4.60
90	3.26	3.32	3.38	3.45	3.51	3.58	3.65	3.73	3.80	3.88	3.96	4.04	4.12
100	2.94	3.00	3.05	3.11	3.17	3.24	3.30	3.37	3.44	3.51	3.58	3.65	3.73
110	2.68	2.73	2.78	2.84	2.89	2.95	3.01	3.07	3.13	3.20	3.26	3.33	3.40
120	2.46	2.51	2.55	2.60	2.65	2.71	2.76	2.82	2.88	2.93	3.00	3.06	3.12



Accuracy  $\pm 1.5\%$

Surface tension x 10<sup>3</sup>, N/m

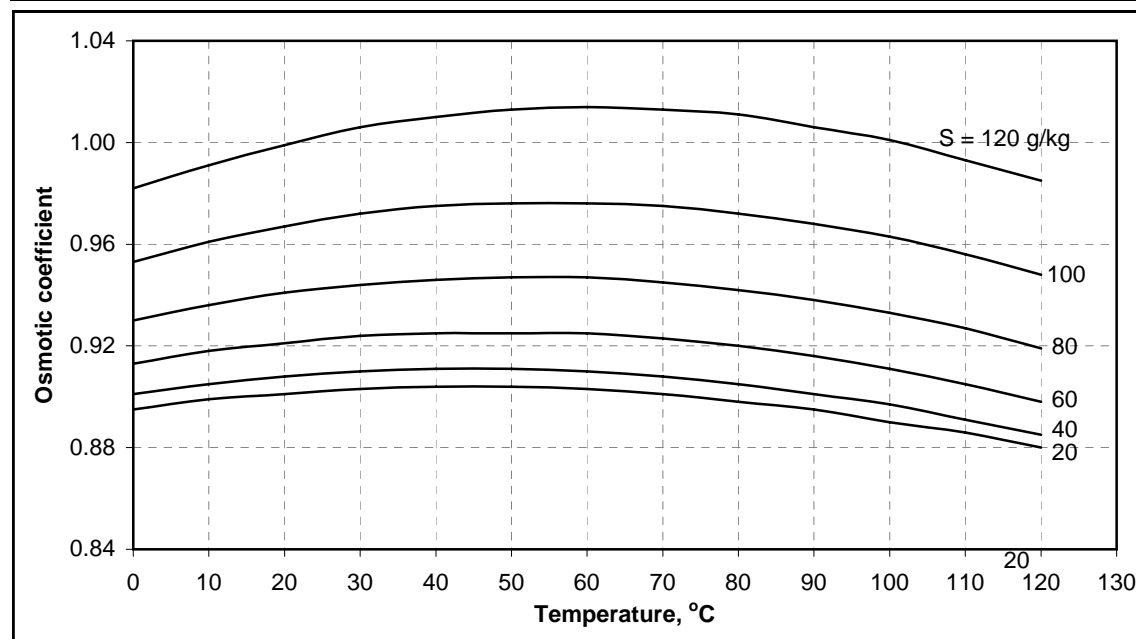
Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	75.65	75.85	76.01	76.14	76.25	76.35	76.43	76.51	76.57	76.64	76.69	76.75	76.80
10	74.22	74.47	74.66	74.82	74.96	75.07	75.17	75.26	75.35	75.42	75.49	75.56	75.62
20	72.74	73.03	73.25	73.44	73.59	73.73	73.85	73.96	74.05	74.14	74.22	74.30	74.37
30	71.19	71.53	71.78	71.99	72.17	72.32	72.46	72.58	72.69	72.79	72.88	72.97	73.05
40	69.60	69.97	70.25	70.49	70.68	70.86	71.01	71.14	71.26	71.38	71.48	71.57	71.66
50	67.94	68.35	68.66	68.92	69.13	69.32	69.49	69.64	69.77	69.89	70.01	70.11	70.21
60	66.24	66.68	67.01	67.29	67.53	67.73	67.91	68.07	68.21	68.35	68.47	68.58	68.69
70	64.48	64.95	65.31	65.61	65.86	66.07	66.27	66.44	66.59	66.73	66.87	66.99	67.10
80	62.67	63.17	63.55	63.87	64.13	64.36	64.56	64.75	64.91	65.06	65.20	65.33	65.44
90	60.82	61.34	61.74	62.07	62.35	62.59	62.80	62.99	63.16	63.32	63.47	63.60	63.73
100	58.91	59.45	59.87	60.22	60.51	60.76	60.98	61.18	61.36	61.52	61.67	61.81	61.95
110	56.96	57.52	57.96	58.31	58.61	58.87	59.10	59.31	59.50	59.67	59.82	59.97	60.10
120	54.97	55.54	55.99	56.36	56.67	56.93	57.17	57.38	57.57	57.75	57.91	58.06	58.20



Extrapolated data  
Accuracy ±0.18%

### Osmotic coefficient

Temp, °C	Salinity, g/kg											
	10	20	30	40	50	60	70	80	90	100	110	120
0	0.894	0.895	0.897	0.901	0.906	0.913	0.921	0.930	0.941	0.953	0.967	0.982
10	0.898	0.899	0.901	0.905	0.911	0.918	0.926	0.936	0.948	0.961	0.975	0.991
20	0.900	0.901	0.904	0.908	0.914	0.921	0.930	0.941	0.953	0.967	0.982	0.999
30	0.902	0.903	0.906	0.910	0.916	0.924	0.933	0.944	0.957	0.972	0.988	1.006
40	0.903	0.904	0.907	0.911	0.917	0.925	0.935	0.946	0.960	0.975	0.992	1.010
50	0.903	0.904	0.906	0.911	0.917	0.925	0.935	0.947	0.961	0.976	0.994	1.013
60	0.902	0.903	0.905	0.910	0.916	0.925	0.935	0.947	0.961	0.976	0.994	1.014
70	0.900	0.901	0.903	0.908	0.914	0.923	0.933	0.945	0.959	0.975	0.993	1.013
80	0.898	0.898	0.901	0.905	0.911	0.920	0.930	0.942	0.956	0.972	0.991	1.011
90	0.894	0.895	0.897	0.901	0.908	0.916	0.926	0.938	0.952	0.968	0.986	1.006
100	0.890	0.890	0.893	0.897	0.903	0.911	0.921	0.933	0.947	0.963	0.981	1.001
110	0.886	0.886	0.888	0.891	0.897	0.905	0.915	0.927	0.940	0.956	0.974	0.993
120	0.880	0.880	0.882	0.885	0.891	0.898	0.908	0.919	0.933	0.948	0.965	0.985

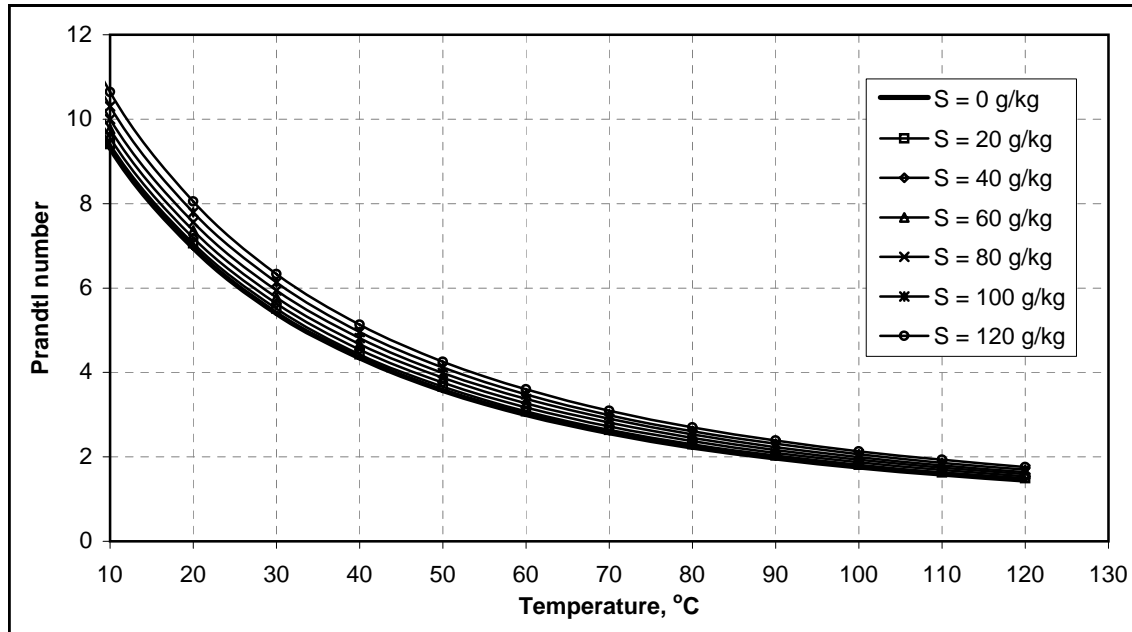


Accuracy  $\pm 1.4\%$

**Prandtl number**

Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	13.18	13.21	13.25	13.31	13.40	13.50	13.63	13.78	13.94	14.13	14.34	14.56	14.81
10	9.32	9.36	9.41	9.48	9.56	9.65	9.76	9.87	10.00	10.14	10.30	10.46	10.64
20	6.95	7.00	7.06	7.12	7.19	7.27	7.36	7.46	7.56	7.67	7.79	7.92	8.05
30	5.40	5.45	5.51	5.57	5.63	5.70	5.78	5.86	5.94	6.03	6.13	6.23	6.33
40	4.34	4.38	4.43	4.49	4.54	4.60	4.67	4.74	4.81	4.88	4.96	5.04	5.13
50	3.57	3.61	3.66	3.71	3.76	3.81	3.87	3.93	3.99	4.05	4.12	4.18	4.25
60	3.00	3.04	3.08	3.12	3.17	3.22	3.27	3.32	3.37	3.42	3.48	3.54	3.60
70	2.57	2.60	2.64	2.68	2.72	2.76	2.81	2.85	2.90	2.94	2.99	3.04	3.09
80	2.23	2.27	2.30	2.33	2.37	2.41	2.45	2.49	2.53	2.57	2.61	2.66	2.70
90	1.97	2.00	2.03	2.06	2.09	2.13	2.16	2.20	2.23	2.27	2.31	2.35	2.39
100	1.76	1.78	1.81	1.84	1.87	1.90	1.93	1.96	1.99	2.03	2.06	2.10	2.13
110	1.59	1.61	1.63	1.66	1.69	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.93
120	1.45	1.47	1.49	1.51	1.54	1.56	1.59	1.61	1.64	1.67	1.70	1.73	1.76

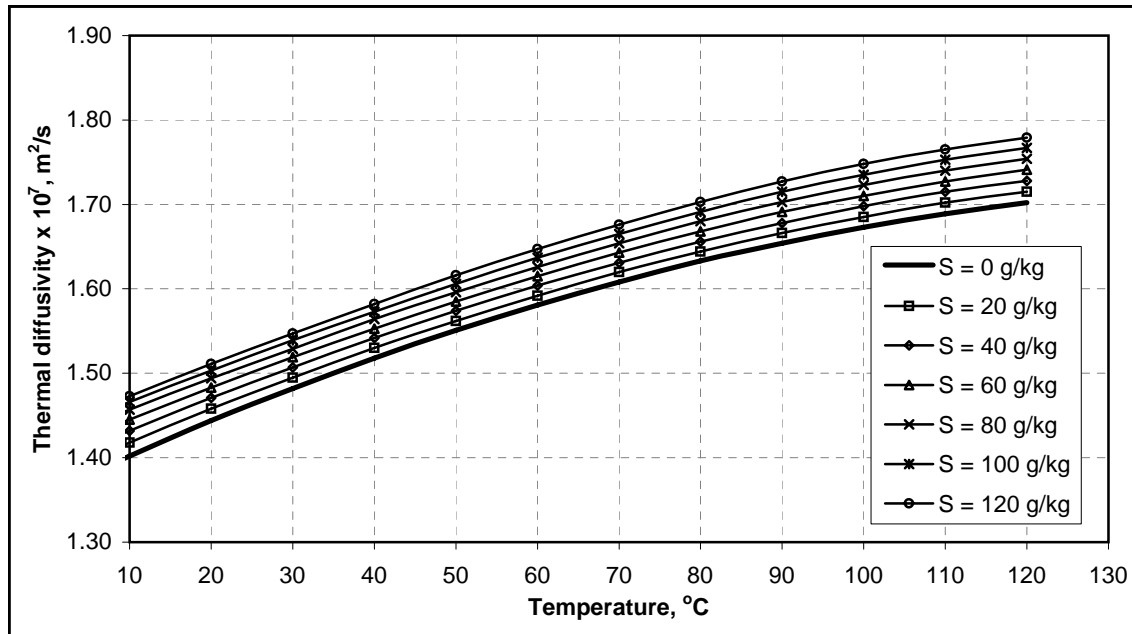
Accuracy ±3.3%



**Thermal diffusivity,  $\times 10^7 \text{ m}^2/\text{s}$**

Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
0	1.36	1.37	1.38	1.38	1.39	1.40	1.41	1.41	1.42	1.42	1.43	1.43	1.43
10	1.40	1.41	1.42	1.43	1.43	1.44	1.45	1.45	1.46	1.46	1.47	1.47	1.47
20	1.44	1.45	1.46	1.46	1.47	1.48	1.48	1.49	1.49	1.50	1.50	1.51	1.51
30	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.53	1.54	1.54	1.55
40	1.52	1.52	1.53	1.54	1.54	1.55	1.55	1.56	1.56	1.57	1.57	1.58	1.58
50	1.55	1.56	1.56	1.57	1.57	1.58	1.59	1.59	1.60	1.60	1.61	1.61	1.62
60	1.58	1.59	1.59	1.60	1.60	1.61	1.62	1.62	1.63	1.63	1.64	1.64	1.65
70	1.61	1.61	1.62	1.63	1.63	1.64	1.64	1.65	1.65	1.66	1.67	1.67	1.68
80	1.63	1.64	1.64	1.65	1.66	1.66	1.67	1.67	1.68	1.69	1.69	1.70	1.70
90	1.65	1.66	1.67	1.67	1.68	1.68	1.69	1.70	1.70	1.71	1.72	1.72	1.73
100	1.67	1.68	1.69	1.69	1.70	1.70	1.71	1.72	1.72	1.73	1.74	1.74	1.75
110	1.69	1.70	1.70	1.71	1.72	1.72	1.73	1.73	1.74	1.75	1.75	1.76	1.77
120	1.70	1.71	1.72	1.72	1.73	1.74	1.74	1.75	1.75	1.76	1.77	1.77	1.78

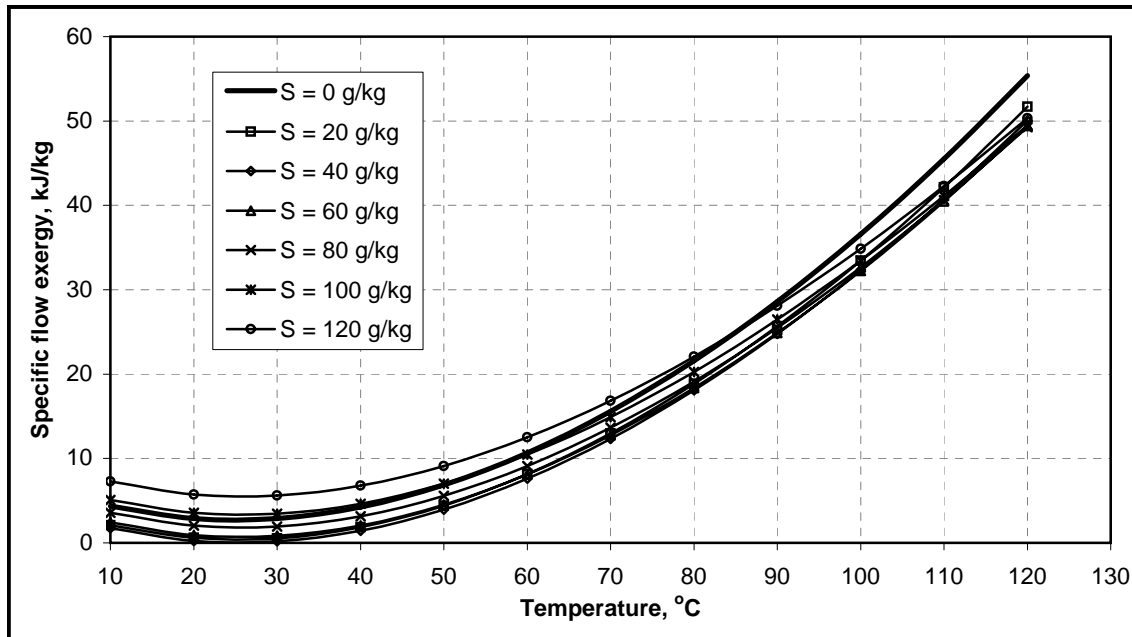
Accuracy  $\pm 3.0\%$



**Specific flow exergy, kJ/kg**

**T0** 25 C **S0** 35 g/kg

Temp, °C	Salinity, g/kg												
	0	10	20	30	40	50	60	70	80	90	100	110	120
10	4.3	2.9	2.1	1.7	1.8	2.0	2.4	3.0	3.6	4.3	5.1	6.1	7.3
20	2.9	1.4	0.6	0.2	0.2	0.5	0.9	1.4	2.1	2.8	3.6	4.5	5.7
30	2.9	1.4	0.5	0.2	0.2	0.4	0.8	1.3	2.0	2.7	3.5	4.4	5.6
40	4.2	2.7	1.9	1.5	1.4	1.7	2.1	2.6	3.2	3.8	4.6	5.6	6.8
50	6.9	5.3	4.4	4.0	4.0	4.1	4.5	5.0	5.6	6.2	7.0	7.9	9.1
60	10.7	9.1	8.1	7.7	7.6	7.8	8.1	8.6	9.1	9.7	10.5	11.4	12.5
70	15.6	14.0	13.0	12.5	12.3	12.5	12.7	13.2	13.6	14.2	14.9	15.8	16.9
80	21.6	19.9	18.8	18.3	18.1	18.1	18.4	18.7	19.1	19.7	20.3	21.1	22.1
90	28.6	26.8	25.7	25.0	24.8	24.7	24.9	25.1	25.5	25.9	26.5	27.2	28.1
100	36.6	34.7	33.5	32.7	32.3	32.2	32.3	32.4	32.7	33.0	33.4	34.0	34.9
110	45.5	43.5	42.2	41.3	40.8	40.5	40.5	40.5	40.6	40.8	41.1	41.6	42.3
120	55.4	53.2	51.7	50.7	50.1	49.7	49.4	49.3	49.3	49.3	49.5	49.8	50.3



Accuracy ±0.5%