

## Vedlegg A

# Physical Properties of Water

**Table 1**

Physical properties of water (SI units)

Temperature <b>T</b> (°C)	Specific		Dynamic	Kinematic	Surface	Modulus of	Vapor
	Weight $\gamma$ (kN/m <sup>3</sup> )	Density <sup>a</sup> $\rho$ (kg/m <sup>3</sup> )	Viscosity <sup>b</sup> $\mu$ ( $\times 10^{-3}$ kg/m·s)	Viscosity $\nu$ ( $\times 10^{-6}$ m <sup>2</sup> /s)	Tension <sup>c</sup> $\sigma$ (N/m)	Elasticity <sup>a</sup> <b>E</b> ( $\times 10^9$ N/m <sup>2</sup> )	Pressure <b>P<sub>v</sub></b> (kN/m <sup>2</sup> )
0	9.805	999.8	1.781	1.785	0.0765	1.98	0.61
5	9.807	1000.0	1.518	1.519	0.0749	2.05	0.87
10	9.804	999.7	1.307	1.306	0.0742	2.10	1.23
15	9.798	999.1	1.139	1.139	0.0735	2.15	1.70
20	9.789	998.2	1.002	1.003	0.0728	2.17	2.34
25	9.777	997.0	0.890	0.893	0.0720	2.22	3.17
30	9.764	995.7	0.798	0.800	0.0712	2.25	4.24
40	9.730	992.2	0.653	0.658	0.0696	2.28	7.38
50	9.689	988.0	0.547	0.553	0.0679	2.29	12.33
60	9.642	983.2	0.466	0.474	0.0662	2.28	19.92
70	9.589	977.8	0.404	0.413	0.0644	2.25	31.16
80	9.530	971.8	0.354	0.364	0.0626	2.20	47.34
90	9.466	965.3	0.315	0.326	0.0608	2.14	70.10
100	9.399	958.4	0.282	0.294	0.0589	2.07	101.33

Source: Adapted from J. K. Venard and R. L. Street (1975). Elementary Fluid Mechanics, 5th ed., Wiley, New York.