

Appendix E

Properties of saturated water and saturated steam

P	t	v'	v''	ρ''	h'	h''	Δh_{vap}
0.08	93.52	0.0010385	2.087	0.4792	391.8	2665	2273
0.09	96.72	0.0010409	1.869	0.5350	405.3	2670	2265
0.10	99.64	0.0010432	1.694	0.5903	417.4	2675	2258
0.11	102.32	0.0010452	1.550	0.6453	428.9	2679	2250
0.12	104.81	0.0010472	1.429	0.6999	439.4	2683	2244
0.13	107.14	0.0010492	1.325	0.7545	449.2	2667	2238
0.14	109.33	0.0010510	1.236	0.8086	458.5	2690	2232
0.15	111.38	0.0010527	1.159	0.8627	467.2	2693	2226
0.16	113.32	0.0010543	1.091	0.9164	475.4	2696	2221
0.17	115.17	0.0010559	1.031	0.9699	483.2	2699	2216
0.18	116.94	0.0010575	0.9773	1.023	490.7	2702	2211
0.19	118.62	0.0010591	0.9290	1.076	497.9	2704	2206
0.20	120.23	0.0010605	0.8854	1.129	504.8	2707	2202
0.21	121.78	0.0010619	0.8459	1.182	511.4	2709	2198
0.22	123.27	0.0010633	0.8098	1.235	517.8	2711	2193
0.23	124.71	0.0010646	0.7768	1.287	524.0	2713	2189
0.24	126.09	0.0010659	0.7465	1.340	529.8	2715	2185
0.25	127.43	0.0010672	0.7185	1.392	535.4	2717	2182
0.26	128.73	0.0010685	0.6925	1.444	540.9	2719	2178
0.27	129.98	0.0010697	0.6684	1.496	546.2	2721	2175
0.28	131.20	0.0010709	0.6461	1.548	551.4	2722	2171
0.29	132.39	0.0010721	0.6253	1.599	556.5	2724	2167
0.30	133.54	0.0010733	0.6057	1.651	561.4	2725	2164

Nomenclature

P – absolute pressure, MPa;

t – temperature, °C;

v' – specific volume of saturated water, m³/kg;

v'' – specific volume of saturated steam, m³/kg;

ρ'' - density of saturated steam, kg/m³;

h' – specific enthalpy of saturated water, kJ/kg;

h'' - specific enthalpy of saturated steam, kJ/kg;

Δh_{vap} – latent heat of vaporization, kJ/kg.