

Appendix F

Thermodynamic properties of water

t	40			50			60		
p	v	h	c_p	v	h	c_p	v	H	c_p
0.10	0.0010079	167.5	-	0.0010121	209.3	4.17	0.0010171	251.2	4.18
0.14	0.0010078	167.6	-	0.0010120	209.4	4.17	0.0010170	251.2	4.18
0.18	0.0010077	167.6	-	0.0010120	209.4	4.17	0.0010171	251.2	4.18
0.22	0.0010077	167.6	-	0.0010120	209.4	4.17	0.0010170	251.3	4.18
0.26	0.0010077	167.7	-	0.0010120	209.5	4.17	0.0010170	251.3	4.18
0.30	0.0010077	167.7	-	0.0010120	209.5	4.17	0.0010170	251.3	4.18
	70			80			90		
0.10	0.0010228	293.0	4.19	0.0010269	335.0	4.19	0.0010361	377.0	4.20
0.14	0.0010228	293.1	4.19	0.0010269	335.0	4.19	0.0010361	377.0	4.20
0.18	0.0010228	293.1	4.19	0.0010269	335.0	4.19	0.0010361	377.0	4.20
0.22	0.0010228	293.1	4.19	0.0010269	335.0	4.19	0.0010361	377.1	4.20
0.26	0.0010227	293.2	4.19	0.0010269	335.1	4.19	0.0010360	377.1	4.20
0.30	0.0010227	293.2	4.19	0.0010288	335.1	4.19	0.0010360	377.1	4.20
	100			110			120		
0.14	0.0010437	419.1	4.22	0.0010518 461.3 4.23			0.0010606 503.7 4.25		
0.18	0.0010437	419.1	4.22						
0.22	0.0010437	419.2	4.22	0.0010518	461.4	4.23	0.0010606	503.7	4.25
0.26	0.0010437	419.2	4.22	0.0010518	461.4	4.23	0.0010606	503.8	4.25
0.30	0.0010437	419.1	4.22	0.0010515	461.3	4.23	0.0010606	503.8	4.25

Nomenclature

P – absolute pressure, MPa;

t – temperature, °C;

v – specific volume, m³/kg;

h - specific enthalpy, kJ/kg;

c_p – specific heat, kJ/(kg·K).