

APPENDIX D

PROPERTIES AT VAPOR-LIQUID EQUILIBRIUM

Table D.1*
Saturated Water Vapor-Liquid Equilibrium

Temp. °C	Pressure Bar	Enthalpy kJ/kg		Entropy kJ/(kg·K)	
		Liquid h_l	Vapor h_g	Liquid s_l	Vapor s_g
25	0.03169	104.89	2547.2	0.3674	8.5580
65	0.2503	272.06	2618.3	0.8935	7.8310
100	1.014	419.04	2676.1	1.3069	7.3549

* Wark, K., 1983, Table A-12M, p. 799.

Table D.2*
Potassium Vapor-Liquid Equilibrium

Temp. K	Bar	Enthalpy kJ/kg		Entropy kJ/(kg·K)		Volume L/kg		Internal Energy kJ/kg
		Liquid h_l	Vapor h_g	Liquid s_l	Vapor s_g	Liquid v_l	Vapor v_g	
900	0.2510	731.0	2739.7	2.6874	4.9175	1.438	7180	1829
950	0.4470	771.4	2750.4	2.7313	4.8129	1.462	4204	1791
1000	0.7530	812.6	2760.4	2.7732	4.7196	1.493	2592	1753

* Wark, K., 1983, Table A-23m, p. 817.