TABLE A-4 Properties of Superheated Water Vapor

	v	и	h	S	1	υ	и	h	S
°C	m³/kg	kJ/kg	kJ/kg	kJ/kg · K		m ³ /kg	kJ/kg	kJ/kg	kJ/kg · K
p = 0.06 bar = 0.006 MPa $(T_{\text{sat}} = 36.16^{\circ}\text{C})$						p = 0.35 bar = 0.035 MPa $(T_{\text{sat}} = 72.69^{\circ}\text{C})$			
Sat.	23.739	2425.0	2567.4	8.3304		4.526	2473.0	2631.4	7.7158
80	27.132	2487.3	2650.1	8.5804		4.625	2483.7	2645.6	7.7564
120	30.219	2544.7	2726.0	8.7840		5.163	2542.4	2723.1	7.9644
160	33.302	2602.7	2802.5	8.9693		5.696	2601.2	2800.6	8.1519
200	36.383	2661.4	2879.7	9.1398		6.228	2660.4	2878.4	8.3237
240	39.462	2721.0	2957.8	9.2982		6.758	2720.3	2956.8	8.4828
280	42.540	2781.5	3036.8	9.4464		7.287	2780.9	3036.0	8.6314
320	45.618	2843.0	3116.7	9.5859		7.815	2842.5	3116.1	8.7712
360	48.696	2905.5	3197.7	9.7180		8.344	2905.1	3197.1	8.9034
400	51.774	2969.0	3279.6	9.8435		8.872	2968.6	3279.2	9.0291
440	54.851	3033.5	3362.6	9.9633		9.400	3033.2	3362.2	9.1490
500	59.467	3132.3	3489.1	10.1336		10.192	3132.1	3488.8	9.3194
	p	= 0.70 ba	r = 0.07 I	MPa		p = 1.0 bar = 0.10 MPa			
	$(T_{\rm sat} = 89.95^{\circ}{\rm C})$					$(T_{\text{sat}} = 99.63^{\circ}\text{C})$			
Sat.	2.365	2494.5	2660.0	7.4797		1.694	2506.1	2675.5	7.3594
100	2.434	2509.7	2680.0	7.5341		1.696	2506.7	2676.2	7.3614
120	2.571	2539.7	2719.6	7.6375		1.793	2537.3	2716.6	7.4668
160	2.841	2599.4	2798.2	7.8279		1.984	2597.8	2796.2	7.6597
200	3.108	2659.1	2876.7	8.0012		2.172	2658.1	2875.3	7.8343
240	3.374	2719.3	2955.5	8.1611		2.359	2718.5	2954.5	7.9949
280	3.640	2780.2	3035.0	8.3162		2.546	2779.6	3034.2	8.1445
320	3.905	2842.0	3115.3	8.4504		2.732	2841.5	3114.6	8.2849
360	4.170	2904.6	3196.5	8.5828		2.917	2904.2	3195.9	8.4175
400	4.434	2968.2	3278.6	8.7086		3.103	2967.9	3278.2	8.5435
440	4.698	3032.9	3361.8	8.8286		3.288	3032.6	3361.4	8.6636
500	5.095	3131.8	3488.5	8.9991		3.565	3131.6	3488.1	8.8342
	p	= 1.5 bar	= 0.15 N	1 Ра		p = 3.0 bar = 0.30 MPa			
	$(T_{\rm sat} = 111.37^{\circ}{\rm C})$					$(T_{\rm sat} = 133.55^{\circ} \rm C)$			
Sat.	1.159	2519.7	2693.6	7.2233	-	0.606	2543.6	2725.3	6.9919
120	1.188	2533.3	2711.4	7.2693					
160	1.317	2595.2	2792.8	7.4665		0.651	2587.1	2782.3	7.1276
200	1.444	2656.2	2872.9	7.6433		0.716	2650.7	2865.5	7.3115
240	1.570	2717.2	2952.7	7.8052		0.781	2713.1	2947.3	7.4774
280	1.695	2778.6	3032.8	7.9555		0.844	2775.4	3028.6	7.6299
320	1.819	2840.6	3113.5	8.0964		0.907	2838.1	3110.1	7.7722
360	1.943	2903.5	3195.0	8.2293		0.969	2901.4	3192.2	7.9061
400	2.067	2967.3	3277.4	8.3555		1.032	2965.6	3275.0	8.0330
440	2.191	3032.1	3360.7	8.4757		1.094	3030.6	3358.7	8.1538
500	2.376	3131.2	3487.6	8.6466		1.187	3130.0	3486.0	8.3251
600	2.685	3301.7	3704.3	8.9101	_	1.341	3300.8	3703.2	8.5892