

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 1 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.00100016	0.05966	–0.0001478	4.2194	1402.4	19665	1791.8	562.0
2	0.00100006	8.49179	0.030610	4.2129	1412.2	19943	1673.5	566.2
4	0.00100003	16.9119	0.061101	4.2074	1421.6	20210	1567.3	570.3
6	0.00100006	25.3219	0.091336	4.2027	1430.7	20467	1471.5	574.3
8	0.00100015	33.7233	0.12133	4.1988	1439.3	20713	1384.7	578.2
10	0.00100030	42.1174	0.15108	4.1955	1447.6	20948	1305.9	582.0
12	0.00100050	50.5054	0.18060	4.1926	1455.4	21172	1234.0	585.7
14	0.00100076	58.8881	0.20989	4.1902	1463.0	21386	1168.3	589.3
16	0.00100106	67.2664	0.23897	4.1881	1470.1	21590	1108.1	592.8
18	0.00100141	75.6407	0.26783	4.1863	1476.9	21783	1052.7	596.2
20	0.00100180	84.0118	0.29648	4.1848	1483.4	21966	1001.6	599.5
25	0.00100296	104.928	0.36723	4.1819	1498.2	22379	890.0	607.5
30	0.00100437	125.833	0.43676	4.1800	1511.0	22731	797.2	615.0
35	0.00100600	146.730	0.50513	4.1790	1522.0	23026	719.1	622.0
40	0.00100784	167.623	0.57239	4.1786	1531.3	23266	652.7	628.6
45	0.00100987	188.516	0.63859	4.1788	1539.0	23455	595.8	634.8
50	0.00101210	209.412	0.70375	4.1796	1545.3	23595	546.5	640.5
55	0.00101450	230.313	0.76794	4.1809	1550.2	23689	503.6	645.8
60	0.00101708	251.222	0.83117	4.1828	1553.9	23739	466.0	650.8
65	0.00101982	272.141	0.89350	4.1852	1556.3	23749	432.9	655.4
70	0.00102273	293.074	0.95495	4.1881	1557.6	23722	403.6	659.6
75	0.00102579	314.023	1.0156	4.1915	1557.8	23658	377.4	663.5
80	0.00102902	334.991	1.0754	4.1955	1557.1	23561	354.1	667.0
85	0.00103239	355.979	1.1344	4.2000	1555.4	23432	333.1	670.2
90	0.00103593	376.992	1.1926	4.2050	1552.8	23275	314.2	673.0
95	0.00103962	398.030	1.2502	4.2106	1549.3	23090	297.1	675.5
<hr/>								
<i>t_s</i> = 99.6059 °C	Saturation							
Liquid	0.00104315	417.436	1.3026	4.2161	1545.5	22896	282.8	677.6
Vapour	1.69402	2674.95	7.3588	2.0759	472.05	1.3154	12.22	24.75
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100	1.69596	2675.77	7.3610	2.0741	472.34	1.3155	12.23	24.78
110	1.74482	2696.32	7.4154	2.0399	479.27	1.3165	12.62	25.51
120	1.79324	2716.61	7.4676	2.0187	485.89	1.3166	13.01	26.29
130	1.84132	2736.72	7.5181	2.0039	492.31	1.3163	13.40	27.10
140	1.88913	2756.70	7.5671	1.9933	498.57	1.3158	13.80	27.94
150	1.93673	2776.59	7.6147	1.9857	504.70	1.3152	14.19	28.80
160	1.98414	2796.42	7.6610	1.9805	510.70	1.3145	14.59	29.68
170	2.03140	2816.21	7.7062	1.9772	516.59	1.3137	14.99	30.58
180	2.07853	2835.97	7.7503	1.9755	522.38	1.3129	15.39	31.49
190	2.12556	2855.72	7.7934	1.9751	528.07	1.3119	15.80	32.42
200	2.17249	2875.48	7.8356	1.9757	533.67	1.3110	16.20	33.37
210	2.21935	2895.24	7.8769	1.9772	539.19	1.3099	16.61	34.33
220	2.26614	2915.02	7.9174	1.9793	544.62	1.3089	17.02	35.30
230	2.31287	2934.83	7.9572	1.9821	549.98	1.3078	17.43	36.28
240	2.35955	2954.66	7.9962	1.9854	555.27	1.3067	17.84	37.27

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 1 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	2.40619	2974.54	8.0346	1.9891	560.49	1.3056	18.25	38.28
260	2.45279	2994.45	8.0723	1.9932	565.65	1.3045	18.66	39.30
270	2.49935	3014.40	8.1094	1.9975	570.74	1.3033	19.07	40.33
280	2.54588	3034.40	8.1458	2.0022	575.77	1.3022	19.49	41.37
290	2.59239	3054.45	8.1818	2.0070	580.75	1.3010	19.90	42.43
300	2.63887	3074.54	8.2171	2.0121	585.67	1.2998	20.31	43.49
310	2.68533	3094.69	8.2520	2.0173	590.54	1.2987	20.73	44.57
320	2.73176	3114.89	8.2863	2.0227	595.35	1.2975	21.14	45.65
330	2.77818	3135.14	8.3202	2.0282	600.11	1.2963	21.56	46.75
340	2.82458	3155.45	8.3536	2.0338	604.83	1.2951	21.97	47.86
350	2.87097	3175.82	8.3865	2.0396	609.50	1.2939	22.38	48.97
360	2.91735	3196.24	8.4190	2.0454	614.12	1.2928	22.80	50.10
370	2.96371	3216.73	8.4511	2.0514	618.70	1.2916	23.21	51.24
380	3.01006	3237.27	8.4828	2.0574	623.23	1.2904	23.63	52.39
390	3.05639	3257.87	8.5141	2.0635	627.73	1.2892	24.04	53.54
400	3.10272	3278.54	8.5451	2.0697	632.18	1.2881	24.45	54.71
410	3.14904	3299.27	8.5756	2.0759	636.59	1.2869	24.87	55.89
420	3.19535	3320.06	8.6059	2.0822	640.96	1.2857	25.28	57.08
430	3.24165	3340.91	8.6357	2.0886	645.30	1.2845	25.69	58.27
440	3.28795	3361.83	8.6653	2.0950	649.59	1.2834	26.10	59.48
450	3.33424	3382.81	8.6945	2.1015	653.85	1.2822	26.51	60.69
460	3.38052	3403.86	8.7234	2.1080	658.08	1.2811	26.93	61.92
470	3.42679	3424.97	8.7520	2.1146	662.27	1.2799	27.34	63.15
480	3.47306	3446.15	8.7803	2.1212	666.43	1.2788	27.75	64.39
490	3.51932	3467.40	8.8083	2.1279	670.55	1.2776	28.16	65.64
500	3.56558	3488.71	8.8361	2.1345	674.64	1.2765	28.56	66.90
510	3.61184	3510.09	8.8635	2.1413	678.70	1.2753	28.97	68.16
520	3.65809	3531.53	8.8907	2.1480	682.73	1.2742	29.38	69.44
530	3.70433	3553.05	8.9177	2.1548	686.73	1.2731	29.78	70.72
540	3.75057	3574.63	8.9444	2.1617	690.70	1.2720	30.19	72.01
550	3.79681	3596.28	8.9709	2.1685	694.64	1.2709	30.60	73.30
560	3.84304	3618.00	8.9971	2.1754	698.55	1.2698	31.00	74.61
570	3.88928	3639.79	9.0231	2.1823	702.44	1.2687	31.40	75.92
580	3.93550	3661.65	9.0489	2.1892	706.29	1.2676	31.81	77.24
590	3.98173	3683.58	9.0744	2.1962	710.12	1.2665	32.21	78.57
600	4.02795	3705.57	9.0998	2.2031	713.93	1.2654	32.61	79.90
650	4.25902	3816.60	9.2234	2.2381	732.59	1.2601	34.60	86.66
700	4.49004	3929.38	9.3424	2.2732	750.68	1.2550	36.57	93.57
750	4.72101	4043.92	9.4571	2.3083	768.24	1.2502	38.51	100.6
800	4.95196	4160.21	9.5681	2.3434	785.34	1.2455	40.43	107.7

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 2 bar									
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>	
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]	
0	0.00100011	0.16152	–0.0001411	4.2189	1402.6	9835.3	1791.5	562.1	
2	0.00100001	8.59268	0.030613	4.2124	1412.4	9974.1	1673.3	566.3	
4	0.00099998	17.0119	0.061101	4.2069	1421.8	10108	1567.1	570.4	
6	0.00100001	25.4210	0.091333	4.2023	1430.8	10236	1471.3	574.4	
8	0.00100010	33.8216	0.12132	4.1984	1439.5	10359	1384.6	578.2	
10	0.00100025	42.2150	0.15107	4.1951	1447.7	10477	1305.8	582.0	
12	0.00100045	50.6022	0.18058	4.1922	1455.6	10589	1234.0	585.7	
14	0.00100071	58.9842	0.20988	4.1898	1463.1	10696	1168.3	589.3	
16	0.00100101	67.3618	0.23895	4.1878	1470.3	10798	1108.0	592.8	
18	0.00100136	75.7355	0.26781	4.1860	1477.1	10894	1052.6	596.2	
20	0.00100175	84.1059	0.29646	4.1845	1483.6	10986	1001.6	599.6	
25	0.00100292	105.021	0.36721	4.1816	1498.3	11192	890.0	607.6	
30	0.00100432	125.924	0.43673	4.1798	1511.1	11369	797.2	615.1	
35	0.00100595	146.820	0.50510	4.1787	1522.1	11516	719.1	622.1	
40	0.00100779	167.712	0.57235	4.1783	1531.5	11636	652.7	628.7	
45	0.00100983	188.604	0.63854	4.1785	1539.2	11730	595.8	634.8	
50	0.00101205	209.498	0.70371	4.1793	1545.5	11800	546.5	640.6	
55	0.00101446	230.398	0.76789	4.1807	1550.4	11847	503.7	645.9	
60	0.00101703	251.306	0.83112	4.1825	1554.0	11873	466.1	650.9	
65	0.00101977	272.224	0.89344	4.1849	1556.5	11878	432.9	655.4	
70	0.00102268	293.156	0.95489	4.1879	1557.8	11864	403.6	659.7	
75	0.00102575	314.104	1.0155	4.1913	1558.0	11832	377.5	663.5	
80	0.00102897	335.070	1.0753	4.1953	1557.2	11784	354.1	667.0	
85	0.00103235	356.058	1.1343	4.1998	1555.6	11720	333.1	670.2	
90	0.00103588	377.069	1.1926	4.2048	1553.0	11641	314.2	673.1	
95	0.00103957	398.107	1.2501	4.2103	1549.5	11548	297.1	675.6	
100	0.00104341	419.173	1.3069	4.2164	1545.3	11443	281.6	677.8	
110	0.00105155	461.405	1.4186	4.2302	1534.6	11197	254.6	681.3	
120	0.00106033	503.786	1.5278	4.2464	1521.0	10909	232.0	683.6	
<i>t_s</i> = 120.212 °C									
				Saturation					
Liquid	0.00106052	504.684	1.5301	4.2467	1520.7	10903	231.6	683.6	
Vapour	0.885735	2706.24	7.1269	2.1752	481.88	1.3108	12.93	26.99	
130	0.910412	2727.25	7.1796	2.1232	488.81	1.3122	13.33	27.64	
140	0.935281	2748.31	7.2312	2.0902	495.51	1.3126	13.73	28.37	
150	0.959894	2769.09	7.2809	2.0667	501.97	1.3125	14.13	29.15	
160	0.984303	2789.66	7.3290	2.0492	508.26	1.3122	14.54	29.97	
170	1.00854	2810.09	7.3756	2.0359	514.39	1.3118	14.94	30.83	
180	1.03265	2830.39	7.4209	2.0261	520.39	1.3112	15.35	31.71	
190	1.05663	2850.62	7.4650	2.0189	526.26	1.3105	15.76	32.61	
200	1.08052	2870.78	7.5081	2.0139	532.02	1.3098	16.17	33.54	
210	1.10432	2890.90	7.5502	2.0106	537.68	1.3089	16.58	34.48	
220	1.12805	2911.00	7.5914	2.0089	543.23	1.3080	16.99	35.44	
230	1.15172	2931.08	7.6317	2.0083	548.70	1.3071	17.40	36.41	
240	1.17534	2951.17	7.6712	2.0087	554.09	1.3061	17.81	37.40	

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 2 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	1.19891	2971.26	7.7100	2.0100	559.40	1.3050	18.23	38.40
260	1.22244	2991.37	7.7481	2.0120	564.63	1.3040	18.64	39.41
270	1.24593	3011.50	7.7855	2.0145	569.80	1.3029	19.06	40.44
280	1.26939	3031.66	7.8223	2.0176	574.89	1.3018	19.47	41.48
290	1.29282	3051.85	7.8584	2.0211	579.93	1.3007	19.89	42.53
300	1.31623	3072.08	7.8940	2.0250	584.90	1.2996	20.30	43.59
310	1.33962	3092.35	7.9291	2.0291	589.81	1.2984	20.72	44.66
320	1.36298	3112.67	7.9636	2.0336	594.67	1.2973	21.13	45.74
330	1.38632	3133.03	7.9977	2.0383	599.48	1.2961	21.55	46.84
340	1.40965	3153.43	8.0312	2.0432	604.23	1.2950	21.96	47.94
350	1.43296	3173.89	8.0643	2.0483	608.93	1.2938	22.38	49.06
360	1.45626	3194.40	8.0970	2.0535	613.59	1.2927	22.79	50.18
370	1.47955	3214.96	8.1292	2.0590	618.20	1.2915	23.21	51.32
380	1.50282	3235.58	8.1610	2.0645	622.76	1.2903	23.62	52.47
390	1.52608	3256.25	8.1924	2.0702	627.28	1.2892	24.04	53.62
400	1.54934	3276.98	8.2235	2.0760	631.75	1.2880	24.45	54.79
410	1.57258	3297.77	8.2541	2.0818	636.19	1.2868	24.86	55.97
420	1.59581	3318.62	8.2844	2.0878	640.58	1.2857	25.28	57.15
430	1.61904	3339.53	8.3144	2.0939	644.93	1.2845	25.69	58.35
440	1.64226	3360.50	8.3440	2.1000	649.25	1.2834	26.10	59.55
450	1.66547	3381.53	8.3733	2.1062	653.53	1.2822	26.51	60.76
460	1.68868	3402.62	8.4022	2.1125	657.77	1.2811	26.93	61.99
470	1.71187	3423.78	8.4309	2.1189	661.97	1.2799	27.34	63.22
480	1.73507	3445.00	8.4593	2.1253	666.14	1.2788	27.75	64.46
490	1.75825	3466.29	8.4873	2.1317	670.28	1.2776	28.16	65.70
500	1.78144	3487.64	8.5151	2.1382	674.39	1.2765	28.57	66.96
510	1.80462	3509.05	8.5426	2.1448	678.46	1.2754	28.97	68.23
520	1.82779	3530.53	8.5699	2.1514	682.50	1.2742	29.38	69.50
530	1.85096	3552.08	8.5969	2.1580	686.51	1.2731	29.79	70.78
540	1.87412	3573.69	8.6236	2.1647	690.49	1.2720	30.19	72.07
550	1.89728	3595.37	8.6501	2.1715	694.44	1.2709	30.60	73.37
560	1.92044	3617.12	8.6764	2.1782	698.36	1.2698	31.00	74.67
570	1.94360	3638.94	8.7024	2.1850	702.26	1.2687	31.41	75.98
580	1.96675	3660.82	8.7282	2.1918	706.12	1.2676	31.81	77.30
590	1.98990	3682.77	8.7538	2.1986	709.96	1.2665	32.21	78.63
600	2.01304	3704.79	8.7792	2.2055	713.78	1.2654	32.61	79.96
650	2.12873	3815.93	8.9029	2.2400	732.47	1.2602	34.60	86.72
700	2.24437	3928.80	9.0220	2.2748	750.59	1.2551	36.57	93.62
750	2.35996	4043.41	9.1368	2.3096	768.18	1.2502	38.52	100.6
800	2.47553	4159.76	9.2479	2.3445	785.29	1.2455	40.44	107.8

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 3 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.00100005	0.26336	–0.0001343	4.2184	1402.8	6558.7	1791.3	562.1
2	0.000999956	8.69356	0.030616	4.2119	1412.5	6651.2	1673.1	566.3
4	0.000999926	17.1118	0.061101	4.2065	1421.9	6740.3	1567.0	570.4
6	0.000999960	25.5201	0.091330	4.2019	1431.0	6825.9	1471.2	574.4
8	0.00100005	33.9199	0.12131	4.1980	1439.6	6907.9	1384.5	578.3
10	0.00100020	42.3125	0.15106	4.1947	1447.9	6986.3	1305.7	582.1
12	0.00100041	50.6990	0.18057	4.1919	1455.8	7061.2	1233.9	585.8
14	0.00100066	59.0803	0.20986	4.1895	1463.3	7132.6	1168.2	589.4
16	0.00100096	67.4571	0.23893	4.1874	1470.4	7200.4	1108.0	592.9
18	0.00100131	75.8302	0.26779	4.1857	1477.3	7264.8	1052.6	596.3
20	0.00100171	84.2000	0.29644	4.1842	1483.7	7325.7	1001.5	599.6
25	0.00100287	105.113	0.36718	4.1813	1498.5	7463.4	890.0	607.6
30	0.00100428	126.015	0.43670	4.1795	1511.3	7581.0	797.2	615.1
35	0.00100591	146.909	0.50507	4.1784	1522.3	7679.3	719.1	622.1
40	0.00100775	167.800	0.57232	4.1781	1531.6	7759.4	652.8	628.7
45	0.00100978	188.691	0.63850	4.1783	1539.4	7822.3	595.8	634.9
50	0.00101201	209.584	0.70366	4.1791	1545.7	7869.0	546.6	640.6
55	0.00101441	230.483	0.76784	4.1804	1550.6	7900.3	503.7	646.0
60	0.00101699	251.390	0.83107	4.1823	1554.2	7917.3	466.1	650.9
65	0.00101973	272.307	0.89339	4.1847	1556.6	7920.8	433.0	655.5
70	0.00102263	293.238	0.95483	4.1877	1557.9	7911.5	403.6	659.7
75	0.00102570	314.184	1.0154	4.1911	1558.2	7890.4	377.5	663.6
80	0.00102892	335.150	1.0752	4.1951	1557.4	7858.1	354.1	667.1
85	0.00103230	356.136	1.1342	4.1996	1555.7	7815.4	333.1	670.3
90	0.00103583	377.146	1.1925	4.2046	1553.2	7762.9	314.2	673.1
95	0.00103952	398.183	1.2500	4.2101	1549.7	7701.2	297.1	675.7
100	0.00104335	419.248	1.3069	4.2162	1545.5	7631.1	281.6	677.9
110	0.00105150	461.477	1.4185	4.2300	1534.8	7467.2	254.7	681.4
120	0.00106027	503.856	1.5277	4.2461	1521.2	7275.4	232.1	683.7
130	0.00106969	546.408	1.6346	4.2648	1505.1	7059.0	212.9	684.8
<i>t_s</i> = 133.525 °C				Saturation				
Liquid	0.00107318	561.455	1.6718	4.2720	1498.8	6977.4	206.9	684.9
Vapour	0.605785	2724.89	6.9916	2.2618	487.39	1.3071	13.39	28.59
140	0.616994	2739.36	7.0269	2.2099	492.17	1.3087	13.66	28.97
150	0.634032	2761.18	7.0791	2.1593	499.11	1.3097	14.07	29.63
160	0.650828	2782.60	7.1291	2.1254	505.73	1.3099	14.48	30.36
170	0.667436	2803.72	7.1773	2.1002	512.12	1.3098	14.89	31.15
180	0.683892	2824.62	7.2239	2.0809	518.34	1.3096	15.31	31.98
190	0.700221	2845.35	7.2692	2.0661	524.41	1.3091	15.72	32.85
200	0.716445	2865.95	7.3132	2.0548	530.33	1.3086	16.13	33.74
210	0.732579	2886.46	7.3561	2.0463	536.13	1.3079	16.55	34.66
220	0.748636	2906.89	7.3979	2.0401	541.82	1.3071	16.96	35.60
230	0.764629	2927.26	7.4388	2.0359	547.40	1.3063	17.38	36.56
240	0.780565	2947.61	7.4789	2.0332	552.89	1.3054	17.79	37.53

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 3 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.796452	2967.93	7.5181	2.0318	558.29	1.3045	18.21	38.53
260	0.812296	2988.25	7.5566	2.0315	563.60	1.3035	18.62	39.53
270	0.828103	3008.57	7.5943	2.0322	568.84	1.3025	19.04	40.55
280	0.843877	3028.89	7.6314	2.0336	574.00	1.3015	19.46	41.58
290	0.859621	3049.24	7.6679	2.0356	579.10	1.3004	19.87	42.63
300	0.875339	3069.61	7.7037	2.0382	584.12	1.2993	20.29	43.69
310	0.891034	3090.01	7.7390	2.0413	589.09	1.2982	20.71	44.76
320	0.906708	3110.43	7.7737	2.0447	593.99	1.2971	21.12	45.84
330	0.922363	3130.90	7.8079	2.0486	598.84	1.2960	21.54	46.93
340	0.938000	3151.41	7.8417	2.0527	603.63	1.2948	21.95	48.03
350	0.953622	3171.96	7.8749	2.0571	608.37	1.2937	22.37	49.14
360	0.969230	3192.55	7.9077	2.0618	613.05	1.2926	22.79	50.27
370	0.984824	3213.19	7.9400	2.0667	617.69	1.2914	23.20	51.40
380	1.00041	3233.89	7.9720	2.0717	622.28	1.2903	23.62	52.55
390	1.01598	3254.63	8.0035	2.0769	626.83	1.2891	24.03	53.70
400	1.03154	3275.42	8.0346	2.0823	631.33	1.2880	24.45	54.87
410	1.04709	3296.27	8.0654	2.0878	635.78	1.2868	24.86	56.04
420	1.06263	3317.18	8.0957	2.0934	640.20	1.2856	25.28	57.23
430	1.07817	3338.14	8.1258	2.0992	644.57	1.2845	25.69	58.42
440	1.09369	3359.17	8.1554	2.1050	648.90	1.2833	26.10	59.62
450	1.10921	3380.25	8.1848	2.1110	653.20	1.2822	26.52	60.83
460	1.12473	3401.39	8.2138	2.1170	657.46	1.2810	26.93	62.06
470	1.14023	3422.59	8.2426	2.1231	661.68	1.2799	27.34	63.29
480	1.15573	3443.85	8.2710	2.1293	665.86	1.2788	27.75	64.52
490	1.17123	3465.17	8.2991	2.1356	670.02	1.2776	28.16	65.77
500	1.18672	3486.56	8.3269	2.1419	674.13	1.2765	28.57	67.03
510	1.20221	3508.01	8.3545	2.1483	678.22	1.2754	28.98	68.29
520	1.21769	3529.53	8.3818	2.1548	682.27	1.2743	29.38	69.56
530	1.23317	3551.11	8.4089	2.1613	686.29	1.2731	29.79	70.84
540	1.24864	3572.75	8.4356	2.1678	690.28	1.2720	30.20	72.13
550	1.26411	3594.46	8.4622	2.1744	694.24	1.2709	30.60	73.43
560	1.27957	3616.24	8.4885	2.1810	698.17	1.2698	31.01	74.73
570	1.29504	3638.08	8.5145	2.1877	702.08	1.2687	31.41	76.04
580	1.31050	3659.99	8.5404	2.1944	705.95	1.2676	31.81	77.36
590	1.32595	3681.97	8.5660	2.2011	709.80	1.2666	32.21	78.68
600	1.34141	3704.02	8.5914	2.2078	713.62	1.2655	32.62	80.02
650	1.41863	3815.26	8.7152	2.2419	732.35	1.2602	34.61	86.77
700	1.49581	3928.21	8.8344	2.2764	750.49	1.2552	36.58	93.67
750	1.57295	4042.90	8.9493	2.3109	768.11	1.2503	38.52	100.7
800	1.65005	4159.31	9.0604	2.3456	785.24	1.2456	40.44	107.8

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 4 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.00100000	0.36519	–0.0001277	4.2179	1402.9	4920.4	1791.1	562.2
2	0.000999906	8.79442	0.030619	4.2115	1412.7	4989.8	1673.0	566.4
4	0.000999877	17.2118	0.061101	4.2061	1422.1	5056.6	1566.8	570.5
6	0.000999911	25.6192	0.091327	4.2015	1431.1	5120.8	1471.1	574.5
8	0.00100001	34.0182	0.12131	4.1976	1439.8	5182.3	1384.4	578.4
10	0.00100016	42.4100	0.15105	4.1943	1448.0	5241.1	1305.6	582.1
12	0.00100036	50.7957	0.18056	4.1915	1455.9	5297.3	1233.8	585.8
14	0.00100061	59.1763	0.20985	4.1891	1463.4	5350.8	1168.2	589.4
16	0.00100092	67.5525	0.23892	4.1871	1470.6	5401.7	1107.9	592.9
18	0.00100127	75.9249	0.26777	4.1854	1477.4	5450.0	1052.6	596.4
20	0.00100166	84.2941	0.29642	4.1839	1483.9	5495.7	1001.5	599.7
25	0.00100283	105.206	0.36715	4.1810	1498.6	5599.0	890.0	607.7
30	0.00100423	126.106	0.43667	4.1792	1511.5	5687.2	797.2	615.2
35	0.00100586	146.999	0.50503	4.1782	1522.5	5761.0	719.1	622.2
40	0.00100770	167.889	0.57228	4.1778	1531.8	5821.1	652.8	628.8
45	0.00100974	188.778	0.63846	4.1781	1539.5	5868.3	595.8	634.9
50	0.00101196	209.671	0.70361	4.1789	1545.8	5903.3	546.6	640.7
55	0.00101437	230.568	0.76779	4.1802	1550.7	5926.8	503.7	646.0
60	0.00101694	251.474	0.83101	4.1821	1554.4	5939.6	466.1	651.0
65	0.00101968	272.390	0.89333	4.1845	1556.8	5942.2	433.0	655.5
70	0.00102259	293.320	0.95477	4.1874	1558.1	5935.3	403.6	659.8
75	0.00102565	314.265	1.0154	4.1909	1558.4	5919.4	377.5	663.6
80	0.00102887	335.229	1.0752	4.1949	1557.6	5895.2	354.1	667.1
85	0.00103225	356.215	1.1342	4.1993	1555.9	5863.2	333.2	670.3
90	0.00103578	377.224	1.1924	4.2044	1553.4	5823.9	314.3	673.2
95	0.00103947	398.259	1.2499	4.2099	1549.9	5777.7	297.2	675.7
100	0.00104330	419.323	1.3068	4.2160	1545.7	5725.1	281.7	677.9
110	0.00105144	461.550	1.4185	4.2297	1535.0	5602.3	254.7	681.4
120	0.00106021	503.926	1.5276	4.2459	1521.5	5458.4	232.1	683.7
130	0.00106963	546.476	1.6345	4.2645	1505.3	5296.2	213.0	684.9
140	0.00107974	589.225	1.7392	4.2859	1486.7	5117.8	196.7	684.9
<hr/>								
<i>t_s</i> = 143.613 °C	Saturation							
Liquid	0.00108356	604.723	1.7766	4.2944	1479.4	5049.8	191.3	684.6
Vapour	0.462392	2738.06	6.8954	2.3403	491.09	1.3039	13.74	29.90
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150	0.470887	2752.78	6.9305	2.2749	495.98	1.3060	14.01	30.23
160	0.483935	2775.19	6.9828	2.2121	503.07	1.3074	14.43	30.84
170	0.496761	2797.09	7.0328	2.1708	509.78	1.3078	14.84	31.54
180	0.509418	2818.64	7.0809	2.1403	516.24	1.3079	15.26	32.31
190	0.521938	2839.92	7.1274	2.1167	522.51	1.3077	15.68	33.12
200	0.534345	2860.99	7.1724	2.0984	528.61	1.3073	16.10	33.98
210	0.546656	2881.90	7.2161	2.0841	534.56	1.3068	16.51	34.87
220	0.558886	2902.69	7.2587	2.0732	540.38	1.3062	16.93	35.78
230	0.571047	2923.37	7.3002	2.0649	546.08	1.3055	17.35	36.72
240	0.583149	2943.99	7.3408	2.0588	551.68	1.3048	17.77	37.68

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 4 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.595199	2964.56	7.3805	2.0546	557.17	1.3039	18.19	38.66
260	0.607205	2985.09	7.4194	2.0519	562.57	1.3030	18.60	39.66
270	0.619173	3005.60	7.4575	2.0504	567.88	1.3021	19.02	40.67
280	0.631106	3026.10	7.4949	2.0500	573.11	1.3011	19.44	41.70
290	0.643008	3046.60	7.5316	2.0505	578.26	1.3001	19.86	42.74
300	0.654884	3067.11	7.5677	2.0518	583.34	1.2990	20.28	43.79
310	0.666736	3087.64	7.6032	2.0537	588.36	1.2980	20.69	44.86
320	0.678566	3108.19	7.6381	2.0561	593.31	1.2969	21.11	45.93
330	0.690376	3128.76	7.6725	2.0591	598.19	1.2958	21.53	47.02
340	0.702170	3149.37	7.7064	2.0624	603.02	1.2947	21.95	48.12
350	0.713947	3170.01	7.7398	2.0661	607.80	1.2936	22.37	49.23
360	0.725709	3190.69	7.7728	2.0702	612.52	1.2924	22.78	50.35
370	0.737458	3211.42	7.8052	2.0745	617.18	1.2913	23.20	51.49
380	0.749196	3232.18	7.8373	2.0790	621.80	1.2902	23.61	52.63
390	0.760921	3253.00	7.8689	2.0838	626.37	1.2890	24.03	53.78
400	0.772637	3273.86	7.9001	2.0887	630.90	1.2879	24.45	54.95
410	0.784343	3294.77	7.9310	2.0938	635.38	1.2868	24.86	56.12
420	0.796040	3315.74	7.9614	2.0991	639.81	1.2856	25.28	57.30
430	0.807729	3336.76	7.9915	2.1046	644.20	1.2845	25.69	58.49
440	0.819410	3357.83	8.0213	2.1101	648.56	1.2833	26.10	59.70
450	0.831084	3378.96	8.0507	2.1158	652.87	1.2822	26.52	60.91
460	0.842751	3400.15	8.0798	2.1216	657.14	1.2810	26.93	62.13
470	0.854413	3421.39	8.1086	2.1275	661.38	1.2799	27.34	63.36
480	0.866068	3442.69	8.1371	2.1334	665.58	1.2788	27.75	64.59
490	0.877718	3464.06	8.1652	2.1395	669.75	1.2776	28.16	65.84
500	0.889363	3485.49	8.1931	2.1456	673.88	1.2765	28.57	67.10
510	0.901003	3506.97	8.2207	2.1519	677.98	1.2754	28.98	68.36
520	0.912638	3528.52	8.2481	2.1581	682.04	1.2743	29.39	69.63
530	0.924269	3550.14	8.2752	2.1645	686.07	1.2732	29.79	70.91
540	0.935896	3571.81	8.3020	2.1709	690.07	1.2720	30.20	72.20
550	0.947520	3593.55	8.3286	2.1773	694.04	1.2709	30.60	73.49
560	0.959139	3615.36	8.3549	2.1838	697.99	1.2698	31.01	74.79
570	0.970756	3637.23	8.3810	2.1904	701.90	1.2688	31.41	76.10
580	0.982369	3659.17	8.4069	2.1969	705.78	1.2677	31.82	77.42
590	0.993979	3681.17	8.4325	2.2036	709.64	1.2666	32.22	78.74
600	1.00559	3703.24	8.4579	2.2102	713.47	1.2655	32.62	80.07
650	1.06359	3814.59	8.5819	2.2439	732.23	1.2603	34.61	86.83
700	1.12153	3927.63	8.7012	2.2779	750.40	1.2552	36.58	93.72
750	1.17944	4042.38	8.8161	2.3122	768.04	1.2504	38.53	100.7
800	1.23731	4158.85	8.9273	2.3466	785.19	1.2457	40.45	107.9

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 5 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000999953	0.46700	–0.0001210	4.2174	1403.1	3937.4	1790.9	562.3
2	0.000999856	8.89527	0.030622	4.2110	1412.9	3992.9	1672.8	566.5
4	0.000999827	17.3117	0.061100	4.2056	1422.3	4046.4	1566.7	570.6
6	0.000999862	25.7183	0.091324	4.2011	1431.3	4097.7	1471.0	574.5
8	0.000999957	34.1164	0.12130	4.1972	1439.9	4146.9	1384.3	578.4
10	0.00100011	42.5075	0.15104	4.1939	1448.2	4194.0	1305.5	582.2
12	0.00100031	50.8925	0.18055	4.1912	1456.1	4239.0	1233.7	585.9
14	0.00100057	59.2724	0.20984	4.1888	1463.6	4281.8	1168.1	589.5
16	0.00100087	67.6479	0.23890	4.1868	1470.8	4322.5	1107.9	593.0
18	0.00100122	76.0196	0.26776	4.1850	1477.6	4361.1	1052.5	596.4
20	0.00100161	84.3882	0.29640	4.1836	1484.0	4397.7	1001.5	599.7
25	0.00100278	105.298	0.36713	4.1807	1498.8	4480.4	890.0	607.7
30	0.00100419	126.197	0.43664	4.1789	1511.6	4550.9	797.2	615.2
35	0.00100582	147.089	0.50500	4.1779	1522.6	4609.9	719.2	622.2
40	0.00100766	167.978	0.57224	4.1776	1531.9	4658.0	652.8	628.8
45	0.00100970	188.866	0.63842	4.1778	1539.7	4695.8	595.8	635.0
50	0.00101192	209.757	0.70357	4.1786	1546.0	4723.8	546.6	640.7
55	0.00101432	230.653	0.76774	4.1800	1550.9	4742.7	503.7	646.1
60	0.00101690	251.558	0.83096	4.1819	1554.5	4752.9	466.1	651.0
65	0.00101964	272.473	0.89327	4.1843	1557.0	4755.0	433.0	655.6
70	0.00102254	293.401	0.95471	4.1872	1558.3	4749.5	403.7	659.8
75	0.00102561	314.346	1.0153	4.1907	1558.6	4736.9	377.5	663.7
80	0.00102883	335.309	1.0751	4.1946	1557.8	4717.5	354.2	667.2
85	0.00103220	356.293	1.1341	4.1991	1556.1	4692.0	333.2	670.4
90	0.00103573	377.301	1.1923	4.2041	1553.5	4660.5	314.3	673.2
95	0.00103942	398.335	1.2499	4.2097	1550.1	4623.6	297.2	675.8
100	0.00104325	419.399	1.3067	4.2157	1545.9	4581.5	281.7	678.0
110	0.00105139	461.623	1.4184	4.2295	1535.2	4483.3	254.7	681.5
120	0.00106016	503.996	1.5275	4.2456	1521.7	4368.3	232.1	683.8
130	0.00106957	546.543	1.6344	4.2642	1505.6	4238.6	213.0	684.9
140	0.00107967	589.290	1.7391	4.2856	1487.0	4095.9	196.7	685.0
150	0.00109049	632.266	1.8419	4.3102	1466.0	3941.9	182.6	683.9
<hr/>								
<i>t_s</i> = 151.836 °C	Saturation							
Liquid	0.00109256	640.185	1.8606	4.3151	1462.0	3912.5	180.2	683.6
Vapour	0.374804	2748.11	6.8206	2.4127	493.80	1.3011	14.02	31.03
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160	0.383660	2767.38	6.8655	2.3176	500.18	1.3042	14.37	31.42
170	0.394255	2790.19	6.9176	2.2500	507.32	1.3056	14.79	32.00
180	0.404655	2812.45	6.9672	2.2048	514.07	1.3061	15.22	32.68
190	0.414905	2834.32	7.0150	2.1711	520.56	1.3062	15.64	33.44
200	0.425034	2855.90	7.0611	2.1448	526.84	1.3061	16.06	34.24
210	0.435060	2877.24	7.1057	2.1242	532.96	1.3058	16.48	35.10
220	0.445001	2898.40	7.1491	2.1080	538.92	1.3053	16.90	35.98
230	0.454870	2919.41	7.1912	2.0954	544.74	1.3047	17.32	36.90
240	0.464676	2940.31	7.2324	2.0856	550.44	1.3041	17.74	37.85

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 5 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.474429	2961.13	7.2726	2.0783	556.03	1.3033	18.16	38.81
260	0.484135	2981.88	7.3119	2.0730	561.51	1.3025	18.58	39.80
270	0.493801	3002.59	7.3503	2.0693	566.90	1.3016	19.00	40.80
280	0.503432	3023.28	7.3881	2.0670	572.20	1.3007	19.42	41.82
290	0.513031	3043.94	7.4251	2.0659	577.42	1.2998	19.84	42.85
300	0.522603	3064.60	7.4614	2.0657	582.55	1.2988	20.26	43.90
310	0.532150	3085.26	7.4972	2.0664	587.62	1.2977	20.68	44.96
320	0.541675	3105.93	7.5323	2.0678	592.61	1.2967	21.10	46.03
330	0.551180	3126.61	7.5669	2.0698	597.55	1.2956	21.52	47.12
340	0.560667	3147.32	7.6010	2.0723	602.41	1.2945	21.94	48.21
350	0.570138	3168.06	7.6345	2.0753	607.22	1.2934	22.36	49.32
360	0.579594	3188.83	7.6676	2.0786	611.98	1.2923	22.78	50.44
370	0.589037	3209.63	7.7002	2.0823	616.68	1.2912	23.19	51.57
380	0.598467	3230.48	7.7323	2.0864	621.32	1.2901	23.61	52.71
390	0.607886	3251.36	7.7641	2.0906	625.92	1.2890	24.03	53.86
400	0.617294	3272.29	7.7954	2.0952	630.47	1.2878	24.44	55.03
410	0.626693	3293.27	7.8263	2.0999	634.97	1.2867	24.86	56.20
420	0.636083	3314.29	7.8569	2.1048	639.43	1.2856	25.27	57.38
430	0.645465	3335.36	7.8871	2.1099	643.84	1.2844	25.69	58.57
440	0.654838	3356.49	7.9169	2.1152	648.21	1.2833	26.10	59.77
450	0.664205	3377.67	7.9464	2.1206	652.54	1.2822	26.52	60.98
460	0.673565	3398.90	7.9756	2.1261	656.83	1.2810	26.93	62.20
470	0.682919	3420.19	8.0044	2.1318	661.09	1.2799	27.34	63.43
480	0.692267	3441.54	8.0329	2.1376	665.30	1.2788	27.75	64.66
490	0.701609	3462.94	8.0612	2.1434	669.48	1.2776	28.16	65.91
500	0.710947	3484.41	8.0891	2.1494	673.62	1.2765	28.57	67.16
510	0.720279	3505.93	8.1168	2.1554	677.73	1.2754	28.98	68.42
520	0.729607	3527.52	8.1442	2.1615	681.81	1.2743	29.39	69.70
530	0.738931	3549.16	8.1713	2.1677	685.85	1.2732	29.80	70.97
540	0.748250	3570.87	8.1981	2.1740	689.86	1.2721	30.20	72.26
550	0.757566	3592.64	8.2247	2.1803	693.85	1.2710	30.61	73.55
560	0.766878	3614.48	8.2511	2.1866	697.80	1.2699	31.01	74.86
570	0.776187	3636.38	8.2772	2.1931	701.72	1.2688	31.42	76.16
580	0.785493	3658.34	8.3031	2.1995	705.61	1.2677	31.82	77.48
590	0.794796	3680.37	8.3288	2.2060	709.48	1.2666	32.22	78.80
600	0.804095	3702.46	8.3543	2.2126	713.31	1.2656	32.62	80.13
650	0.850556	3813.91	8.4784	2.2458	732.11	1.2603	34.62	86.88
700	0.896964	3927.05	8.5977	2.2795	750.31	1.2553	36.59	93.78
750	0.943332	4041.87	8.7128	2.3135	767.98	1.2504	38.53	100.8
800	0.989667	4158.40	8.8240	2.3477	785.14	1.2458	40.45	107.9

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 10 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000999699	0.97582	-0.00008842	4.2150	1403.8	1971.4	1789.7	562.6
2	0.000999606	9.39927	0.030637	4.2087	1413.6	1999.2	1671.8	566.8
4	0.000999581	17.8112	0.061099	4.2034	1423.1	2025.9	1565.9	570.8
6	0.000999618	26.2135	0.091307	4.1990	1432.1	2051.6	1470.3	574.8
8	0.000999716	34.6076	0.12127	4.1952	1440.7	2076.2	1383.7	578.7
10	0.000999870	42.9948	0.15100	4.1921	1449.0	2099.8	1305.1	582.5
12	0.00100008	51.3761	0.18049	4.1894	1456.9	2122.3	1233.4	586.2
14	0.00100033	59.7525	0.20977	4.1871	1464.4	2143.7	1167.8	589.8
16	0.00100064	68.1246	0.23882	4.1851	1471.5	2164.1	1107.6	593.3
18	0.00100099	76.4931	0.26766	4.1834	1478.4	2183.4	1052.3	596.7
20	0.00100139	84.8585	0.29630	4.1820	1484.8	2201.7	1001.3	600.0
25	0.00100255	105.761	0.36700	4.1793	1499.6	2243.1	889.9	608.0
30	0.00100396	126.653	0.43649	4.1776	1512.4	2278.4	797.2	615.5
35	0.00100560	147.538	0.50482	4.1766	1523.4	2307.9	719.2	622.5
40	0.00100744	168.421	0.57204	4.1763	1532.8	2332.0	652.8	629.1
45	0.00100947	189.303	0.63820	4.1766	1540.5	2350.9	595.9	635.2
50	0.00101170	210.188	0.70334	4.1775	1546.8	2365.0	546.7	641.0
55	0.00101410	231.079	0.76749	4.1789	1551.7	2374.4	503.8	646.3
60	0.00101667	251.977	0.83070	4.1808	1555.4	2379.6	466.3	651.3
65	0.00101941	272.887	0.89299	4.1832	1557.9	2380.7	433.1	655.9
70	0.00102231	293.810	0.95441	4.1861	1559.2	2378.0	403.8	660.1
75	0.00102537	314.749	1.0150	4.1896	1559.5	2371.7	377.7	663.9
80	0.00102859	335.707	1.0748	4.1935	1558.7	2362.1	354.3	667.5
85	0.00103196	356.686	1.1338	4.1980	1557.1	2349.4	333.3	670.7
90	0.00103549	377.688	1.1920	4.2030	1554.5	2333.7	314.4	673.5
95	0.00103917	398.717	1.2495	4.2085	1551.1	2315.3	297.3	676.0
100	0.00104300	419.774	1.3063	4.2146	1546.9	2294.3	281.8	678.3
110	0.00105112	461.987	1.4179	4.2283	1536.3	2245.4	254.8	681.8
120	0.00105988	504.348	1.5271	4.2443	1522.8	2188.0	232.2	684.1
130	0.00106928	546.882	1.6339	4.2629	1506.8	2123.3	213.1	685.2
140	0.00107936	589.614	1.7386	4.2841	1488.3	2052.1	196.8	685.3
150	0.00109015	632.575	1.8414	4.3086	1467.4	1975.2	182.7	684.2
160	0.00110171	675.797	1.9423	4.3366	1444.3	1893.4	170.5	682.1
170	0.00111410	719.320	2.0417	4.3687	1418.9	1807.1	159.8	678.9
<hr/>								
<i>t_s</i> = 179.886 °C	Saturation							
Liquid	0.00112723	762.683	2.1384	4.4051	1391.6	1718.1	150.5	674.7
Vapour	0.194349	2777.12	6.5850	2.7150	500.89	1.2910	14.98	35.40
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180	0.194418	2777.43	6.5857	2.7119	501.00	1.2911	14.99	35.40
190	0.200319	2803.52	6.6426	2.5285	509.69	1.2969	15.43	35.64
200	0.206004	2828.27	6.6955	2.4288	517.32	1.2991	15.88	36.06
210	0.211542	2852.20	6.7455	2.3614	524.41	1.3000	16.32	36.62
220	0.216966	2875.55	6.7934	2.3105	531.18	1.3005	16.75	37.28
230	0.222297	2898.45	6.8393	2.2702	537.69	1.3006	17.19	38.03
240	0.227551	2920.98	6.8837	2.2378	543.99	1.3005	17.63	38.84

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 10 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.232739	2943.22	6.9266	2.2116	550.11	1.3002	18.06	39.70
260	0.237871	2965.23	6.9683	2.1905	556.06	1.2999	18.49	40.60
270	0.242955	2987.05	7.0088	2.1735	561.86	1.2994	18.92	41.53
280	0.247998	3008.71	7.0484	2.1600	567.53	1.2988	19.35	42.49
290	0.253004	3030.25	7.0870	2.1492	573.08	1.2981	19.78	43.48
300	0.257979	3051.70	7.1247	2.1408	578.51	1.2973	20.21	44.49
310	0.262926	3073.08	7.1617	2.1344	583.85	1.2965	20.63	45.52
320	0.267848	3094.40	7.1979	2.1297	589.09	1.2956	21.06	46.57
330	0.272749	3115.68	7.2335	2.1263	594.25	1.2947	21.48	47.63
340	0.277629	3136.93	7.2685	2.1242	599.32	1.2938	21.91	48.70
350	0.282492	3158.16	7.3028	2.1231	604.32	1.2928	22.33	49.80
360	0.287339	3179.39	7.3366	2.1228	609.24	1.2918	22.75	50.90
370	0.292172	3200.62	7.3699	2.1233	614.10	1.2907	23.17	52.01
380	0.296991	3221.86	7.4026	2.1245	618.89	1.2897	23.59	53.14
390	0.301799	3243.11	7.4349	2.1262	623.62	1.2886	24.01	54.28
400	0.306595	3264.39	7.4668	2.1284	628.30	1.2876	24.43	55.44
410	0.311381	3285.68	7.4982	2.1311	632.92	1.2865	24.85	56.60
420	0.316158	3307.01	7.5292	2.1341	637.48	1.2854	25.27	57.77
430	0.320927	3328.37	7.5598	2.1375	642.00	1.2843	25.69	58.96
440	0.325687	3349.76	7.5900	2.1412	646.47	1.2832	26.10	60.15
450	0.330440	3371.19	7.6198	2.1451	650.89	1.2821	26.52	61.35
460	0.335186	3392.66	7.6493	2.1494	655.26	1.2810	26.93	62.56
470	0.339926	3414.18	7.6785	2.1538	659.59	1.2799	27.35	63.79
480	0.344659	3435.74	7.7073	2.1584	663.88	1.2788	27.76	65.02
490	0.349387	3457.35	7.7358	2.1632	668.13	1.2777	28.17	66.26
500	0.354110	3479.00	7.7640	2.1682	672.34	1.2766	28.58	67.51
510	0.358828	3500.71	7.7919	2.1733	676.52	1.2755	28.99	68.76
520	0.363541	3522.47	7.8195	2.1786	680.65	1.2744	29.40	70.03
530	0.368250	3544.28	7.8468	2.1840	684.75	1.2733	29.81	71.30
540	0.372955	3566.15	7.8739	2.1895	688.82	1.2722	30.22	72.58
550	0.377656	3588.07	7.9007	2.1951	692.85	1.2711	30.62	73.87
560	0.382354	3610.05	7.9272	2.2008	696.85	1.2700	31.03	75.17
570	0.387048	3632.09	7.9535	2.2066	700.82	1.2690	31.43	76.48
580	0.391738	3654.19	7.9795	2.2125	704.76	1.2679	31.84	77.79
590	0.396426	3676.34	8.0054	2.2185	708.66	1.2668	32.24	79.11
600	0.401111	3698.56	8.0309	2.2245	712.54	1.2658	32.64	80.43
650	0.424497	3810.55	8.1557	2.2555	731.51	1.2606	34.64	87.16
700	0.447829	3924.12	8.2755	2.2875	749.86	1.2556	36.61	94.04
750	0.471121	4039.31	8.3909	2.3201	767.64	1.2508	38.55	101.0
800	0.494380	4156.14	8.5024	2.3532	784.91	1.2462	40.47	108.2

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 20 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000999193	1.99229	-0.00002608	4.2100	1405.4	988.40	1787.5	563.2
2	0.000999107	10.4062	0.030665	4.2041	1415.2	1002.3	1670.0	567.3
4	0.000999088	18.8091	0.061094	4.1990	1424.6	1015.7	1564.3	571.4
6	0.000999132	27.2029	0.091271	4.1948	1433.7	1028.6	1469.0	575.4
8	0.000999235	35.5890	0.12121	4.1913	1442.3	1040.9	1382.7	579.3
10	0.000999394	43.9685	0.15090	4.1883	1450.6	1052.7	1304.2	583.0
12	0.000999605	52.3425	0.18038	4.1858	1458.4	1063.9	1232.6	586.7
14	0.000999866	60.7118	0.20962	4.1836	1466.0	1074.7	1167.2	590.3
16	0.00100018	69.0772	0.23865	4.1818	1473.1	1084.9	1107.2	593.8
18	0.00100053	77.4392	0.26747	4.1802	1479.9	1094.5	1051.9	597.2
20	0.00100093	85.7984	0.29609	4.1789	1486.4	1103.7	1001.0	600.6
25	0.00100210	106.686	0.36674	4.1764	1501.2	1124.4	889.8	608.5
30	0.00100352	127.564	0.43618	4.1749	1514.0	1142.1	797.2	616.0
35	0.00100515	148.437	0.50447	4.1741	1525.0	1156.9	719.3	623.0
40	0.00100700	169.306	0.57166	4.1739	1534.4	1169.0	653.0	629.6
45	0.00100903	190.177	0.63778	4.1743	1542.2	1178.5	596.1	635.7
50	0.00101125	211.050	0.70287	4.1752	1548.5	1185.6	546.9	641.5
55	0.00101365	231.929	0.76699	4.1766	1553.4	1190.3	504.1	646.8
60	0.00101622	252.817	0.83016	4.1786	1557.1	1193.0	466.5	651.8
65	0.00101896	273.716	0.89243	4.1810	1559.6	1193.6	433.4	656.4
70	0.00102185	294.628	0.95382	4.1840	1561.0	1192.3	404.0	660.6
75	0.00102491	315.556	1.0144	4.1874	1561.3	1189.2	377.9	664.5
80	0.00102812	336.503	1.0741	4.1914	1560.6	1184.4	354.6	668.0
85	0.00103148	357.471	1.1331	4.1958	1559.0	1178.1	333.6	671.2
90	0.00103500	378.462	1.1913	4.2008	1556.5	1170.3	314.7	674.1
95	0.00103867	399.479	1.2487	4.2063	1553.1	1161.2	297.6	676.6
100	0.00104249	420.526	1.3055	4.2123	1549.0	1150.8	282.1	678.8
110	0.00105059	462.715	1.4171	4.2259	1538.4	1126.4	255.1	682.3
120	0.00105932	505.051	1.5262	4.2418	1525.1	1097.8	232.5	684.7
130	0.00106869	547.559	1.6329	4.2601	1509.2	1065.6	213.4	685.9
140	0.00107873	590.263	1.7376	4.2812	1490.8	1030.1	197.1	685.9
150	0.00108948	633.193	1.8403	4.3053	1470.1	991.86	183.0	684.9
160	0.00110099	676.382	1.9411	4.3330	1447.2	951.08	170.8	682.8
170	0.00111332	719.867	2.0404	4.3647	1422.0	908.11	160.1	679.6
180	0.00112654	763.691	2.1382	4.4011	1394.6	863.22	150.6	675.4
190	0.00114075	807.906	2.2347	4.4430	1365.0	816.67	142.2	670.1
200	0.00115606	852.572	2.3301	4.4914	1333.2	768.70	134.7	663.8
210	0.00117260	897.760	2.4246	4.5476	1299.0	719.55	127.9	656.4
<i>t_s</i> = 212.385 °C								
Saturation								
Liquid	0.00117675	908.622	2.4470	4.5623	1290.6	707.68	126.4	654.4
Vapour	0.0995805	2798.38	6.3392	3.1904	504.66	1.2788	16.09	41.65
220	0.102167	2821.67	6.3868	2.9487	512.58	1.2858	16.45	41.46
230	0.105394	2850.17	6.4440	2.7665	521.47	1.2901	16.92	41.50
240	0.108488	2877.21	6.4972	2.6481	529.47	1.2920	17.39	41.78

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 20 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.111484	2903.23	6.5474	2.5602	536.96	1.2931	17.85	42.22
260	0.114400	2928.47	6.5952	2.4909	544.07	1.2938	18.30	42.80
270	0.117251	2953.09	6.6410	2.4349	550.89	1.2941	18.75	43.48
280	0.120046	2977.21	6.6850	2.3890	557.44	1.2943	19.20	44.25
290	0.122794	3000.90	6.7274	2.3512	563.78	1.2942	19.65	45.07
300	0.125501	3024.25	6.7685	2.3201	569.91	1.2940	20.09	45.95
310	0.128174	3047.32	6.8084	2.2944	575.87	1.2937	20.53	46.87
320	0.130816	3070.16	6.8472	2.2733	581.67	1.2932	20.97	47.83
330	0.133431	3092.80	6.8851	2.2559	587.33	1.2926	21.41	48.82
340	0.136023	3115.28	6.9221	2.2417	592.86	1.2920	21.84	49.83
350	0.138594	3137.64	6.9582	2.2301	598.27	1.2913	22.28	50.87
360	0.141147	3159.89	6.9937	2.2207	603.57	1.2905	22.71	51.92
370	0.143683	3182.06	7.0284	2.2133	608.77	1.2897	23.14	52.99
380	0.146205	3204.16	7.0625	2.2074	613.88	1.2888	23.56	54.09
390	0.148712	3226.21	7.0960	2.2030	618.91	1.2879	23.99	55.20
400	0.151208	3248.23	7.1290	2.1997	623.85	1.2869	24.42	56.32
410	0.153693	3270.21	7.1614	2.1974	628.72	1.2860	24.84	57.46
420	0.156167	3292.18	7.1933	2.1961	633.52	1.2850	25.26	58.61
430	0.158632	3314.14	7.2248	2.1955	638.25	1.2840	25.69	59.77
440	0.161088	3336.09	7.2558	2.1957	642.92	1.2830	26.11	60.95
450	0.163537	3358.05	7.2863	2.1964	647.52	1.2819	26.53	62.13
460	0.165978	3380.02	7.3165	2.1976	652.08	1.2809	26.94	63.33
470	0.168413	3402.01	7.3463	2.1994	656.57	1.2799	27.36	64.54
480	0.170841	3424.01	7.3757	2.2015	661.02	1.2788	27.78	65.75
490	0.173263	3446.04	7.4048	2.2041	665.41	1.2777	28.19	66.98
500	0.175680	3468.09	7.4335	2.2069	669.76	1.2767	28.60	68.22
510	0.178092	3490.18	7.4619	2.2101	674.06	1.2756	29.02	69.46
520	0.180499	3512.30	7.4899	2.2136	678.32	1.2746	29.43	70.72
530	0.182902	3534.45	7.5177	2.2173	682.54	1.2735	29.84	71.98
540	0.185300	3556.64	7.5451	2.2212	686.71	1.2725	30.25	73.25
550	0.187694	3578.88	7.5723	2.2254	690.85	1.2714	30.66	74.53
560	0.190085	3601.15	7.5992	2.2297	694.95	1.2704	31.06	75.82
570	0.192472	3623.47	7.6258	2.2342	699.01	1.2693	31.47	77.11
580	0.194856	3645.84	7.6522	2.2389	703.04	1.2683	31.88	78.42
590	0.197237	3668.25	7.6783	2.2437	707.03	1.2672	32.28	79.73
600	0.199614	3690.71	7.7042	2.2486	710.99	1.2662	32.68	81.05
650	0.211464	3803.79	7.8301	2.2750	730.32	1.2611	34.68	87.74
700	0.223260	3918.24	7.9509	2.3035	748.96	1.2562	36.65	94.59
750	0.235015	4034.16	8.0670	2.3333	766.98	1.2515	38.60	101.6
800	0.246737	4151.59	8.1791	2.3642	784.44	1.2470	40.52	108.6

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 30 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000998688	3.00722	0.00003247	4.2052	1407.0	660.74	1785.3	563.7
2	0.000998609	11.4117	0.030689	4.1995	1416.8	670.04	1668.1	567.9
4	0.000998597	19.8057	0.061086	4.1947	1426.2	678.98	1562.8	572.0
6	0.000998647	28.1911	0.091233	4.1907	1435.2	687.57	1467.7	576.0
8	0.000998755	36.5691	0.12114	4.1874	1443.9	695.80	1381.6	579.8
10	0.000998919	44.9410	0.15081	4.1846	1452.1	703.67	1303.3	583.6
12	0.000999135	53.3078	0.18026	4.1822	1460.0	711.18	1231.9	587.3
14	0.000999400	61.6702	0.20948	4.1802	1467.6	718.33	1166.6	590.9
16	0.000999713	70.0289	0.23849	4.1785	1474.7	725.14	1106.7	594.4
18	0.00100007	78.3845	0.26729	4.1771	1481.5	731.60	1051.6	597.8
20	0.00100047	86.7374	0.29588	4.1759	1488.0	737.71	1000.7	601.1
25	0.00100165	107.611	0.36648	4.1736	1502.8	751.53	889.6	609.1
30	0.00100307	128.475	0.43588	4.1722	1515.6	763.34	797.2	616.5
35	0.00100471	149.334	0.50413	4.1716	1526.6	773.23	719.3	623.5
40	0.00100655	170.191	0.57127	4.1715	1536.0	781.31	653.1	630.1
45	0.00100859	191.050	0.63735	4.1719	1543.8	787.67	596.3	636.3
50	0.00101081	211.912	0.70241	4.1729	1550.1	792.41	547.1	642.0
55	0.00101321	232.780	0.76649	4.1744	1555.1	795.63	504.3	647.3
60	0.00101577	253.656	0.82963	4.1764	1558.8	797.41	466.7	652.3
65	0.00101851	274.544	0.89187	4.1788	1561.4	797.84	433.6	656.9
70	0.00102140	295.445	0.95322	4.1818	1562.7	797.01	404.3	661.1
75	0.00102445	316.363	1.0137	4.1853	1563.1	794.99	378.2	665.0
80	0.00102765	337.299	1.0734	4.1892	1562.5	791.86	354.8	668.5
85	0.00103101	358.256	1.1324	4.1937	1560.9	787.69	333.9	671.7
90	0.00103451	379.236	1.1905	4.1986	1558.4	782.54	315.0	674.6
95	0.00103817	400.242	1.2480	4.2041	1555.1	776.48	297.9	677.1
100	0.00104198	421.277	1.3048	4.2100	1551.0	769.57	282.4	679.4
110	0.00105006	463.443	1.4163	4.2235	1540.6	753.40	255.4	682.9
120	0.00105876	505.755	1.5253	4.2393	1527.4	734.45	232.8	685.3
130	0.00106810	548.237	1.6320	4.2574	1511.6	713.05	213.7	686.5
140	0.00107810	590.913	1.7365	4.2783	1493.3	689.50	197.3	686.6
150	0.00108881	633.813	1.8391	4.3022	1472.8	664.07	183.3	685.6
160	0.00110027	676.968	1.9399	4.3295	1450.0	636.98	171.0	683.5
170	0.00111254	720.415	2.0391	4.3608	1425.0	608.43	160.3	680.3
180	0.00112570	764.198	2.1368	4.3966	1397.9	578.61	150.9	676.2
190	0.00113983	808.366	2.2332	4.4379	1368.5	547.68	142.5	670.9
200	0.00115505	852.978	2.3285	4.4856	1336.9	515.81	135.0	664.7
210	0.00117148	898.104	2.4229	4.5409	1303.1	483.14	128.2	657.3
220	0.00118930	943.826	2.5165	4.6053	1266.9	449.85	121.9	648.9
230	0.00120872	990.247	2.6097	4.6810	1228.3	416.05	116.2	639.3
Saturation								
$t_s = 233.858 \text{ °C}$								
Liquid	0.00121670	1008.37	2.6456	4.7138	1212.7	402.91	114.2	635.3
Vapour	0.0666641	2803.26	6.1858	3.6123	504.07	1.2705	16.84	46.70
240	0.0682274	2824.56	6.2275	3.3435	511.35	1.2775	17.15	46.28

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 30 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.0706225	2856.55	6.2893	3.0772	521.44	1.2834	17.64	45.95
260	0.0728884	2886.42	6.3458	2.9070	530.33	1.2862	18.12	45.94
270	0.0750596	2914.84	6.3987	2.7826	538.52	1.2879	18.59	46.18
280	0.0771560	2942.16	6.4485	2.6854	546.22	1.2890	19.06	46.60
290	0.0791913	2968.61	6.4959	2.6071	553.54	1.2897	19.53	47.15
300	0.0811753	2994.35	6.5412	2.5431	560.52	1.2902	19.98	47.81
310	0.0831160	3019.51	6.5847	2.4902	567.23	1.2904	20.44	48.56
320	0.0850197	3044.18	6.6267	2.4463	573.70	1.2904	20.89	49.38
330	0.0868914	3068.46	6.6673	2.4098	579.95	1.2903	21.34	50.25
340	0.0887354	3092.40	6.7066	2.3794	586.00	1.2900	21.79	51.16
350	0.0905550	3116.06	6.7449	2.3539	591.89	1.2896	22.23	52.11
360	0.0923533	3139.49	6.7822	2.3327	597.62	1.2891	22.67	53.09
370	0.0941327	3162.73	6.8186	2.3150	603.21	1.2885	23.11	54.09
380	0.0958952	3185.80	6.8542	2.3003	608.67	1.2878	23.54	55.13
390	0.0976427	3208.74	6.8891	2.2881	614.01	1.2870	23.97	56.21
400	0.0993766	3231.57	6.9233	2.2780	619.25	1.2863	24.41	57.30
410	0.101098	3254.31	6.9568	2.2698	624.39	1.2854	24.84	58.40
420	0.102809	3276.97	6.9897	2.2632	629.44	1.2846	25.26	59.52
430	0.104510	3299.58	7.0221	2.2579	634.40	1.2837	25.69	60.66
440	0.106201	3322.14	7.0540	2.2539	639.28	1.2827	26.12	61.81
450	0.107884	3344.66	7.0853	2.2508	644.09	1.2818	26.54	62.97
460	0.109559	3367.16	7.1162	2.2487	648.82	1.2808	26.96	64.15
470	0.111227	3389.64	7.1467	2.2474	653.49	1.2798	27.38	65.33
480	0.112888	3412.10	7.1767	2.2467	658.10	1.2788	27.80	66.53
490	0.114544	3434.57	7.2063	2.2467	662.65	1.2778	28.22	67.74
500	0.116193	3457.04	7.2356	2.2472	667.14	1.2768	28.63	68.97
510	0.117837	3479.52	7.2645	2.2483	671.58	1.2758	29.05	70.20
520	0.119476	3502.01	7.2930	2.2497	675.96	1.2748	29.46	71.44
530	0.121111	3524.51	7.3212	2.2516	680.30	1.2738	29.87	72.69
540	0.122741	3547.04	7.3491	2.2538	684.59	1.2728	30.28	73.95
550	0.124367	3569.59	7.3767	2.2564	688.83	1.2717	30.69	75.22
560	0.125990	3592.17	7.4039	2.2593	693.03	1.2707	31.10	76.49
570	0.127608	3614.78	7.4309	2.2624	697.19	1.2697	31.51	77.78
580	0.129224	3637.42	7.4576	2.2658	701.31	1.2687	31.92	79.07
590	0.130836	3660.09	7.4840	2.2694	705.39	1.2677	32.32	80.37
600	0.132445	3682.81	7.5102	2.2732	709.43	1.2667	32.73	81.68
650	0.140451	3796.99	7.6373	2.2948	729.13	1.2617	34.73	88.33
700	0.148403	3912.34	7.7590	2.3196	748.06	1.2569	36.70	95.15
750	0.156312	4028.99	7.8759	2.3467	766.32	1.2523	38.65	102.1
800	0.164189	4147.03	7.9885	2.3753	783.99	1.2478	40.57	109.1

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 40 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000998184	4.02062	0.00008726	4.2003	1408.6	496.92	1783.2	564.3
2	0.000998113	12.4157	0.030710	4.1949	1418.4	503.90	1666.3	568.5
4	0.000998107	20.8009	0.061075	4.1904	1427.8	510.62	1561.3	572.6
6	0.000998163	29.1779	0.091192	4.1867	1436.8	517.07	1466.5	576.5
8	0.000998277	37.5481	0.12107	4.1835	1445.5	523.25	1380.6	580.4
10	0.000998446	45.9125	0.15071	4.1809	1453.7	529.16	1302.4	584.2
12	0.000998666	54.2720	0.18013	4.1787	1461.6	534.79	1231.2	587.8
14	0.000998936	62.6275	0.20933	4.1768	1469.1	540.17	1166.0	591.4
16	0.000999252	70.9796	0.23832	4.1753	1476.3	545.28	1106.2	594.9
18	0.000999613	79.3288	0.26709	4.1739	1483.1	550.13	1051.2	598.3
20	0.00100002	87.6755	0.29566	4.1728	1489.6	554.72	1000.4	601.6
25	0.00100120	108.534	0.36622	4.1708	1504.4	565.10	889.5	609.6
30	0.00100263	129.385	0.43557	4.1696	1517.2	573.97	797.2	617.1
35	0.00100427	150.231	0.50378	4.1690	1528.2	581.40	719.4	624.1
40	0.00100611	171.076	0.57088	4.1691	1537.6	587.48	653.2	630.6
45	0.00100815	191.923	0.63692	4.1696	1545.4	592.27	596.4	636.8
50	0.00101037	212.773	0.70195	4.1706	1551.8	595.84	547.3	642.5
55	0.00101276	233.630	0.76600	4.1722	1556.8	598.28	504.5	647.9
60	0.00101533	254.495	0.82910	4.1742	1560.5	599.64	467.0	652.8
65	0.00101806	275.372	0.89130	4.1767	1563.1	599.98	433.9	657.4
70	0.00102094	296.263	0.95263	4.1796	1564.5	599.38	404.6	661.6
75	0.00102398	317.169	1.0131	4.1831	1564.9	597.90	378.5	665.5
80	0.00102718	338.095	1.0728	4.1871	1564.3	595.57	355.1	669.1
85	0.00103053	359.041	1.1317	4.1915	1562.8	592.47	334.1	672.3
90	0.00103403	380.010	1.1898	4.1964	1560.3	588.64	315.2	675.1
95	0.00103768	401.006	1.2473	4.2018	1557.1	584.12	298.1	677.7
100	0.00104148	422.029	1.3040	4.2078	1553.0	578.97	282.6	679.9
110	0.00104953	464.172	1.4154	4.2212	1542.7	566.91	255.6	683.5
120	0.00105821	506.460	1.5244	4.2368	1529.6	552.75	233.0	685.9
130	0.00106751	548.916	1.6310	4.2548	1513.9	536.76	213.9	687.1
140	0.00107748	591.564	1.7355	4.2754	1495.9	519.17	197.6	687.2
150	0.00108814	634.433	1.8380	4.2990	1475.5	500.17	183.5	686.2
160	0.00109956	677.555	1.9388	4.3260	1452.9	479.92	171.3	684.2
170	0.00111177	720.966	2.0378	4.3569	1428.1	458.59	160.6	681.1
180	0.00112486	764.707	2.1354	4.3923	1401.1	436.30	151.1	676.9
190	0.00113892	808.829	2.2317	4.4330	1372.0	413.18	142.7	671.8
200	0.00115404	853.387	2.3269	4.4799	1340.6	389.35	135.2	665.5
210	0.00117037	898.451	2.4212	4.5342	1307.1	364.93	128.4	658.3
220	0.00118806	944.102	2.5147	4.5975	1271.2	340.03	122.2	649.9
230	0.00120732	990.438	2.6077	4.6717	1232.9	314.76	116.5	640.4
240	0.00122842	1037.58	2.7005	4.7595	1192.1	289.22	111.2	629.7

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 40 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00125169	1085.69	2.7933	4.8646	1148.5	263.45	106.3	617.8
<i>t_s</i> = 250.358 °C				Saturation				
Liquid	0.00125257	1087.43	2.7967	4.8688	1146.9	262.53	106.1	617.4
Vapour	0.0497766	2800.90	6.0697	4.0217	501.64	1.2639	17.44	51.27
260	0.0517770	2837.19	6.1384	3.5536	513.78	1.2746	17.94	50.30
270	0.0536916	2871.20	6.2016	3.2702	524.26	1.2797	18.44	49.80
280	0.0554948	2902.88	6.2594	3.0774	533.58	1.2826	18.93	49.67
290	0.0572145	2932.91	6.3132	2.9332	542.18	1.2844	19.41	49.80
300	0.0588680	2961.65	6.3638	2.8199	550.23	1.2857	19.89	50.14
310	0.0604671	2989.38	6.4118	2.7285	557.85	1.2866	20.36	50.63
320	0.0620211	3016.28	6.4575	2.6536	565.10	1.2872	20.82	51.24
330	0.0635367	3042.49	6.5014	2.5915	572.04	1.2876	21.28	51.94
340	0.0650195	3068.14	6.5435	2.5399	578.71	1.2877	21.74	52.72
350	0.0664740	3093.32	6.5843	2.4967	585.14	1.2877	22.19	53.55
360	0.0679040	3118.10	6.6237	2.4604	591.35	1.2875	22.64	54.43
370	0.0693123	3142.55	6.6620	2.4299	597.38	1.2871	23.08	55.32
380	0.0707017	3166.71	6.6993	2.4042	603.23	1.2867	23.53	56.30
390	0.0720743	3190.64	6.7357	2.3825	608.93	1.2862	23.97	57.32
400	0.0734318	3214.37	6.7712	2.3642	614.49	1.2855	24.40	58.36
410	0.0747759	3237.94	6.8059	2.3488	619.92	1.2849	24.84	59.42
420	0.0761079	3261.36	6.8400	2.3359	625.24	1.2841	25.27	60.50
430	0.0774290	3284.66	6.8734	2.3251	630.45	1.2833	25.70	61.61
440	0.0787401	3307.87	6.9061	2.3162	635.56	1.2825	26.13	62.73
450	0.0800422	3330.99	6.9383	2.3088	640.58	1.2816	26.56	63.86
460	0.0813360	3354.05	6.9700	2.3027	645.51	1.2807	26.98	65.01
470	0.0826222	3377.05	7.0012	2.2979	650.36	1.2798	27.41	66.18
480	0.0839015	3400.01	7.0318	2.2941	655.14	1.2789	27.83	67.36
490	0.0851742	3422.94	7.0621	2.2913	659.84	1.2780	28.25	68.55
500	0.0864410	3445.84	7.0919	2.2892	664.48	1.2770	28.67	69.75
510	0.0877022	3468.72	7.1213	2.2879	669.06	1.2760	29.08	70.97
520	0.0889583	3491.60	7.1503	2.2872	673.58	1.2751	29.50	72.19
530	0.0902096	3514.47	7.1790	2.2871	678.04	1.2741	29.91	73.43
540	0.0914564	3537.34	7.2073	2.2875	682.44	1.2731	30.32	74.67
550	0.0926990	3560.22	7.2353	2.2883	686.80	1.2721	30.74	75.93
560	0.0939376	3583.11	7.2629	2.2896	691.10	1.2711	31.15	77.19
570	0.0951726	3606.01	7.2902	2.2913	695.36	1.2701	31.55	78.47
580	0.0964041	3628.93	7.3172	2.2933	699.58	1.2692	31.96	79.75
590	0.0976323	3651.88	7.3440	2.2956	703.75	1.2682	32.37	81.04
600	0.0988574	3674.85	7.3704	2.2982	707.87	1.2672	32.77	82.34
650	0.104943	3790.15	7.4989	2.3149	727.94	1.2624	34.78	88.95
700	0.110973	3906.41	7.6215	2.3360	747.17	1.2577	36.75	95.72
750	0.116961	4023.80	7.7391	2.3601	765.68	1.2531	38.70	102.6
800	0.122915	4142.46	7.8523	2.3865	783.55	1.2487	40.62	109.7

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 50 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000997683	5.03250	0.0001383	4.1955	1410.2	398.63	1781.0	564.9
2	0.000997619	13.4183	0.030727	4.1904	1420.0	404.23	1664.5	569.1
4	0.000997620	21.7948	0.061060	4.1862	1429.4	409.61	1559.8	573.1
6	0.000997681	30.1635	0.091147	4.1827	1438.4	414.77	1465.2	577.1
8	0.000997801	38.5258	0.12100	4.1797	1447.1	419.72	1379.5	581.0
10	0.000997974	46.8827	0.15062	4.1773	1455.3	424.45	1301.6	584.7
12	0.000998199	55.2352	0.18001	4.1752	1463.2	428.97	1230.5	588.4
14	0.000998473	63.5838	0.20919	4.1735	1470.7	433.27	1165.4	592.0
16	0.000998793	71.9293	0.23815	4.1721	1477.9	437.36	1105.7	595.4
18	0.000999157	80.2722	0.26690	4.1708	1484.7	441.25	1050.8	598.8
20	0.000999564	88.6128	0.29545	4.1698	1491.2	444.92	1000.1	602.2
25	0.00100076	109.457	0.36596	4.1680	1506.0	453.24	889.4	610.1
30	0.00100219	130.294	0.43526	4.1670	1518.8	460.35	797.2	617.6
35	0.00100383	151.128	0.50343	4.1665	1529.9	466.31	719.5	624.6
40	0.00100567	171.960	0.57049	4.1667	1539.2	471.18	653.4	631.1
45	0.00100771	192.795	0.63650	4.1673	1547.1	475.03	596.6	637.3
50	0.00100993	213.634	0.70149	4.1684	1553.5	477.90	547.5	643.0
55	0.00101232	234.480	0.76550	4.1700	1558.5	479.87	504.7	648.4
60	0.00101488	255.334	0.82858	4.1720	1562.3	480.97	467.2	653.3
65	0.00101761	276.200	0.89074	4.1745	1564.8	481.27	434.1	657.9
70	0.00102049	297.080	0.95204	4.1775	1566.3	480.81	404.8	662.2
75	0.00102352	317.976	1.0125	4.1810	1566.7	479.64	378.7	666.0
80	0.00102671	338.891	1.0721	4.1849	1566.2	477.81	355.4	669.6
85	0.00103006	359.826	1.1310	4.1893	1564.7	475.35	334.4	672.8
90	0.00103355	380.785	1.1891	4.1942	1562.3	472.30	315.5	675.7
95	0.00103719	401.769	1.2465	4.1996	1559.1	468.71	298.4	678.2
100	0.00104098	422.782	1.3032	4.2055	1555.1	464.61	282.9	680.5
110	0.00104901	464.902	1.4146	4.2188	1544.8	455.01	255.9	684.1
120	0.00105765	507.165	1.5235	4.2343	1531.8	443.73	233.3	686.4
130	0.00106693	549.595	1.6301	4.2521	1516.3	430.99	214.2	687.7
140	0.00107686	592.216	1.7345	4.2725	1498.4	416.97	197.8	687.8
150	0.00108748	635.055	1.8369	4.2959	1478.1	401.82	183.8	686.9
160	0.00109885	678.144	1.9376	4.3225	1455.7	385.68	171.5	684.9
170	0.00111101	721.518	2.0366	4.3530	1431.1	368.67	160.8	681.8
180	0.00112403	765.219	2.1341	4.3879	1404.3	350.90	151.4	677.7
190	0.00113801	809.294	2.2303	4.4280	1375.4	332.47	143.0	672.6
200	0.00115304	853.800	2.3254	4.4743	1344.3	313.47	135.5	666.4
210	0.00116926	898.804	2.4195	4.5277	1311.0	293.99	128.7	659.2
220	0.00118683	944.384	2.5129	4.5899	1275.4	274.13	122.5	650.9
230	0.00120593	990.636	2.6057	4.6626	1237.5	253.98	116.8	641.5
240	0.00122684	1037.68	2.6983	4.7485	1197.1	233.60	111.5	630.9

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 50 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124987	1085.66	2.7909	4.8511	1153.9	213.06	106.6	619.1
260	0.00127548	1134.77	2.8839	4.9755	1107.7	192.38	101.9	606.0
<i>t_s</i> = 263.943 °C								
				Saturation				
Liquid	0.00128641	1154.50	2.9207	5.0322	1088.4	184.19	100.1	600.5
Vapour	0.0394463	2794.23	5.9737	4.4378	498.18	1.2584	17.96	55.64
270	0.0405675	2819.84	6.0211	4.0460	506.87	1.2666	18.28	54.69
280	0.0422746	2858.08	6.0909	3.6350	518.94	1.2740	18.80	53.68
290	0.0438562	2893.00	6.1535	3.3662	529.38	1.2780	19.30	53.18
300	0.0453466	2925.64	6.2109	3.1714	538.84	1.2806	19.79	53.03
310	0.0467667	2956.58	6.2645	3.0218	547.60	1.2824	20.28	53.15
320	0.0481304	2986.18	6.3148	2.9028	555.81	1.2837	20.76	53.48
330	0.0494477	3014.71	6.3625	2.8063	563.57	1.2846	21.23	53.95
340	0.0507261	3042.36	6.4080	2.7269	570.94	1.2852	21.70	54.54
350	0.0519714	3069.29	6.4515	2.6610	577.99	1.2856	22.16	55.22
360	0.0531884	3095.62	6.4934	2.6058	584.75	1.2858	22.61	55.95
370	0.0543809	3121.44	6.5339	2.5594	591.26	1.2857	23.07	56.70
380	0.0555520	3146.83	6.5731	2.5203	597.55	1.2855	23.52	57.59
390	0.0567042	3171.86	6.6111	2.4871	603.64	1.2852	23.96	58.55
400	0.0578398	3196.59	6.6481	2.4590	609.56	1.2848	24.41	59.53
410	0.0589607	3221.06	6.6842	2.4351	615.31	1.2843	24.85	60.53
420	0.0600683	3245.31	6.7194	2.4148	620.92	1.2837	25.28	61.57
430	0.0611641	3269.37	6.7539	2.3976	626.39	1.2830	25.72	62.62
440	0.0622491	3293.27	6.7877	2.3829	631.75	1.2823	26.15	63.71
450	0.0633245	3317.03	6.8208	2.3705	636.99	1.2815	26.58	64.81
460	0.0643910	3340.68	6.8532	2.3601	642.13	1.2807	27.01	65.93
470	0.0654495	3364.24	6.8851	2.3513	647.17	1.2799	27.44	67.07
480	0.0665006	3387.71	6.9165	2.3440	652.13	1.2790	27.86	68.22
490	0.0675449	3411.12	6.9474	2.3379	657.00	1.2781	28.28	69.39
500	0.0685829	3434.48	6.9778	2.3330	661.80	1.2772	28.70	70.58
510	0.0696152	3457.79	7.0078	2.3291	666.52	1.2763	29.12	71.77
520	0.0706420	3481.06	7.0373	2.3260	671.17	1.2754	29.54	72.98
530	0.0716639	3504.31	7.0664	2.3237	675.76	1.2744	29.95	74.20
540	0.0726812	3527.54	7.0952	2.3221	680.29	1.2735	30.37	75.43
550	0.0736941	3550.75	7.1235	2.3212	684.75	1.2725	30.78	76.67
560	0.0747029	3573.96	7.1516	2.3208	689.17	1.2716	31.19	77.92
570	0.0757080	3597.17	7.1793	2.3209	693.53	1.2706	31.60	79.18
580	0.0767095	3620.38	7.2066	2.3215	697.84	1.2697	32.01	80.45
590	0.0777077	3643.60	7.2337	2.3224	702.10	1.2687	32.42	81.73
600	0.0787027	3666.83	7.2604	2.3238	706.31	1.2678	32.82	83.02
650	0.0836367	3783.28	7.3901	2.3353	726.76	1.2630	34.83	89.58
700	0.0885146	3900.45	7.5137	2.3525	746.29	1.2584	36.80	96.31
750	0.0933495	4018.59	7.6321	2.3737	765.04	1.2540	38.75	103.2
800	0.0981510	4137.87	7.7459	2.3978	783.12	1.2496	40.67	110.2

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 60 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000997183	6.04286	0.0001856	4.1908	1411.8	333.11	1778.9	565.5
2	0.000997126	14.4195	0.030741	4.1860	1421.6	337.78	1662.8	569.7
4	0.000997133	22.7873	0.061042	4.1820	1431.0	342.27	1558.3	573.7
6	0.000997201	31.1478	0.091100	4.1787	1440.0	346.58	1464.0	577.7
8	0.000997326	39.5024	0.12092	4.1759	1448.7	350.71	1378.5	581.5
10	0.000997504	47.8519	0.15051	4.1737	1456.9	354.65	1300.7	585.3
12	0.000997733	56.1973	0.17988	4.1718	1464.8	358.42	1229.8	588.9
14	0.000998011	64.5391	0.20904	4.1702	1472.3	362.01	1164.9	592.5
16	0.000998335	72.8781	0.23798	4.1689	1479.5	365.42	1105.3	596.0
18	0.000998702	81.2147	0.26671	4.1678	1486.3	368.66	1050.4	599.4
20	0.000999112	89.5493	0.29524	4.1668	1492.8	371.73	999.9	602.7
25	0.00100031	110.379	0.36569	4.1652	1507.6	378.67	889.3	610.6
30	0.00100174	131.203	0.43496	4.1643	1520.4	384.60	797.1	618.1
35	0.00100339	152.024	0.50308	4.1641	1531.5	389.58	719.5	625.1
40	0.00100524	172.844	0.57010	4.1643	1540.9	393.65	653.5	631.7
45	0.00100727	193.667	0.63607	4.1650	1548.7	396.87	596.8	637.8
50	0.00100949	214.495	0.70103	4.1661	1555.1	399.28	547.7	643.5
55	0.00101188	235.329	0.76501	4.1678	1560.2	400.93	505.0	648.9
60	0.00101444	256.173	0.82805	4.1698	1564.0	401.87	467.5	653.9
65	0.00101716	277.028	0.89018	4.1724	1566.6	402.13	434.4	658.4
70	0.00102004	297.898	0.95145	4.1754	1568.1	401.76	405.1	662.7
75	0.00102307	318.783	1.0119	4.1788	1568.5	400.81	379.0	666.6
80	0.00102625	339.687	1.0715	4.1828	1568.0	399.29	355.6	670.1
85	0.00102958	360.612	1.1303	4.1872	1566.5	397.26	334.7	673.3
90	0.00103307	381.559	1.1884	4.1921	1564.2	394.74	315.8	676.2
95	0.00103670	402.533	1.2458	4.1974	1561.0	391.77	298.7	678.8
100	0.00104048	423.535	1.3024	4.2033	1557.1	388.37	283.2	681.0
110	0.00104849	465.632	1.4138	4.2165	1547.0	380.41	256.2	684.6
120	0.00105710	507.871	1.5226	4.2318	1534.1	371.05	233.6	687.0
130	0.00106635	550.276	1.6291	4.2495	1518.7	360.47	214.4	688.3
140	0.00107624	592.869	1.7335	4.2697	1500.9	348.83	198.1	688.5
150	0.00108682	635.679	1.8358	4.2927	1480.8	336.25	184.0	687.5
160	0.00109814	678.735	1.9364	4.3191	1458.5	322.85	171.8	685.6
170	0.00111024	722.073	2.0353	4.3492	1434.1	308.72	161.1	682.5
180	0.00112321	765.733	2.1327	4.3837	1407.5	293.96	151.6	678.5
190	0.00113711	809.763	2.2289	4.4232	1378.8	278.65	143.2	673.4
200	0.00115205	854.217	2.3238	4.4687	1348.0	262.87	135.7	667.3
210	0.00116817	899.160	2.4178	4.5213	1314.9	246.69	128.9	660.1
220	0.00118561	944.671	2.5110	4.5823	1279.7	230.19	122.7	651.9
230	0.00120456	990.841	2.6037	4.6537	1242.0	213.45	117.1	642.6
240	0.00122528	1037.79	2.6961	4.7378	1202.0	196.52	111.8	632.1

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 60 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124808	1085.65	2.7885	4.8379	1159.3	179.46	106.9	620.4
260	0.00127338	1134.61	2.8812	4.9589	1113.5	162.29	102.2	607.4
270	0.00130177	1184.92	2.9747	5.1082	1064.2	145.00	97.74	593.0
<hr/>								
<i>t_s</i> = 275.586 °C	Saturation							
Liquid	0.00131927	1213.73	3.0274	5.2080	1034.8	135.28	95.31	584.3
Vapour	0.0324487	2784.56	5.8901	4.8768	494.01	1.2535	18.44	59.97
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280	0.0331998	2805.25	5.9276	4.5160	501.07	1.2604	18.68	59.02
290	0.0347631	2847.50	6.0033	3.9812	514.56	1.2694	19.20	57.51
300	0.0361911	2885.49	6.0702	3.6378	526.04	1.2743	19.71	56.65
310	0.0375230	2920.58	6.1309	3.3929	536.29	1.2775	20.21	56.24
320	0.0387819	2953.55	6.1870	3.2078	545.69	1.2797	20.70	56.16
330	0.0399833	2984.87	6.2393	3.0626	554.43	1.2813	21.19	56.32
340	0.0411378	3014.89	6.2887	2.9459	562.64	1.2825	21.66	56.66
350	0.0422535	3043.86	6.3356	2.8504	570.41	1.2834	22.14	57.14
360	0.0433364	3071.96	6.3803	2.7714	577.79	1.2839	22.60	57.69
370	0.0443912	3099.33	6.4232	2.7054	584.85	1.2842	23.06	58.26
380	0.0454220	3126.10	6.4645	2.6499	591.62	1.2843	23.52	59.03
390	0.0464317	3152.36	6.5044	2.6030	598.14	1.2842	23.97	59.90
400	0.0474230	3178.18	6.5431	2.5632	604.44	1.2840	24.42	60.80
410	0.0483980	3203.64	6.5806	2.5293	610.54	1.2837	24.86	61.74
420	0.0493586	3228.79	6.6171	2.5004	616.47	1.2832	25.30	62.71
430	0.0503063	3253.66	6.6528	2.4757	622.23	1.2827	25.74	63.72
440	0.0512425	3278.31	6.6876	2.4545	627.84	1.2821	26.18	64.76
450	0.0521683	3302.76	6.7216	2.4364	633.32	1.2814	26.61	65.82
460	0.0530847	3327.05	6.7550	2.4209	638.68	1.2807	27.04	66.91
470	0.0539925	3351.19	6.7877	2.4077	643.93	1.2799	27.47	68.01
480	0.0548925	3375.21	6.8198	2.3964	649.07	1.2791	27.90	69.14
490	0.0557854	3399.12	6.8513	2.3868	654.12	1.2783	28.32	70.28
500	0.0566717	3422.95	6.8824	2.3787	659.07	1.2775	28.75	71.44
510	0.0575519	3446.70	6.9129	2.3719	663.95	1.2766	29.17	72.61
520	0.0584266	3470.39	6.9429	2.3663	668.74	1.2757	29.58	73.80
530	0.0592960	3494.03	6.9726	2.3616	673.46	1.2748	30.00	75.00
540	0.0601607	3517.63	7.0018	2.3579	678.11	1.2739	30.42	76.21
550	0.0610209	3541.19	7.0306	2.3550	682.70	1.2730	30.83	77.44
560	0.0618769	3564.73	7.0590	2.3528	687.22	1.2721	31.24	78.68
570	0.0627290	3588.25	7.0870	2.3512	691.69	1.2712	31.65	79.92
580	0.0635775	3611.76	7.1148	2.3503	696.09	1.2702	32.06	81.18
590	0.0644225	3635.26	7.1421	2.3498	700.45	1.2693	32.47	82.44
600	0.0652644	3658.76	7.1692	2.3499	704.75	1.2684	32.87	83.72
650	0.0694316	3776.36	7.3002	2.3559	725.58	1.2638	34.88	90.22
700	0.0735419	3894.47	7.4248	2.3692	745.42	1.2593	36.86	96.91
750	0.0776087	4013.37	7.5439	2.3874	764.42	1.2549	38.80	103.8
800	0.0816416	4133.27	7.6583	2.4092	782.69	1.2506	40.72	110.7

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 70 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000996685	7.05172	0.0002293	4.1861	1413.3	286.31	1776.8	566.1
2	0.000996635	15.4192	0.030751	4.1816	1423.2	290.32	1661.0	570.2
4	0.000996648	23.7785	0.061022	4.1778	1432.6	294.17	1556.8	574.3
6	0.000996722	32.1309	0.091051	4.1747	1441.6	297.87	1462.8	578.2
8	0.000996852	40.4777	0.12084	4.1722	1450.3	301.41	1377.5	582.1
10	0.000997035	48.8199	0.15041	4.1701	1458.5	304.80	1299.9	585.8
12	0.000997269	57.1583	0.17976	4.1683	1466.4	308.03	1229.1	589.5
14	0.000997551	65.4934	0.20889	4.1669	1473.9	311.11	1164.3	593.1
16	0.000997878	73.8259	0.23780	4.1657	1481.1	314.04	1104.8	596.5
18	0.000998249	82.1563	0.26651	4.1647	1487.9	316.82	1050.1	599.9
20	0.000998662	90.4848	0.29502	4.1639	1494.4	319.45	999.6	603.2
25	0.000999867	111.300	0.36543	4.1625	1509.2	325.41	889.1	611.2
30	0.00100130	132.111	0.43465	4.1618	1522.0	330.50	797.1	618.6
35	0.00100295	152.919	0.50273	4.1616	1533.1	334.77	719.6	625.6
40	0.00100480	173.727	0.56971	4.1619	1542.5	338.27	653.6	632.2
45	0.00100684	194.539	0.63565	4.1627	1550.4	341.04	597.0	638.3
50	0.00100905	215.355	0.70057	4.1639	1556.8	343.12	547.9	644.1
55	0.00101144	236.179	0.76451	4.1656	1561.9	344.55	505.2	649.4
60	0.00101400	257.012	0.82752	4.1677	1565.7	345.36	467.7	654.4
65	0.00101671	277.856	0.88962	4.1702	1568.3	345.60	434.6	659.0
70	0.00101958	298.715	0.95086	4.1733	1569.9	345.30	405.3	663.2
75	0.00102261	319.590	1.0112	4.1767	1570.3	344.49	379.2	667.1
80	0.00102579	340.483	1.0708	4.1807	1569.9	343.21	355.9	670.6
85	0.00102911	361.397	1.1296	4.1851	1568.4	341.49	334.9	673.9
90	0.00103259	382.334	1.1877	4.1899	1566.1	339.34	316.0	676.7
95	0.00103621	403.297	1.2450	4.1952	1563.0	336.81	299.0	679.3
100	0.00103998	424.288	1.3017	4.2011	1559.1	333.91	283.4	681.6
110	0.00104797	466.362	1.4129	4.2142	1549.1	327.12	256.4	685.2
120	0.00105656	508.578	1.5217	4.2294	1536.3	319.13	233.8	687.6
130	0.00106577	550.957	1.6281	4.2468	1521.0	310.10	214.7	688.9
140	0.00107563	593.523	1.7324	4.2668	1503.3	300.16	198.3	689.1
150	0.00108617	636.303	1.8347	4.2897	1483.4	289.42	184.3	688.2
160	0.00109744	679.327	1.9352	4.3157	1461.3	277.97	172.0	686.2
170	0.00110949	722.629	2.0341	4.3454	1437.0	265.90	161.3	683.3
180	0.00112239	766.250	2.1314	4.3794	1410.7	253.29	151.9	679.2
190	0.00113621	810.234	2.2274	4.4184	1382.2	240.21	143.5	674.2
200	0.00115107	854.637	2.3223	4.4632	1351.6	226.72	136.0	668.1
210	0.00116708	899.522	2.4161	4.5149	1318.8	212.90	129.2	661.0
220	0.00118440	944.964	2.5092	4.5749	1283.8	198.80	123.0	652.9
230	0.00120320	991.054	2.6018	4.6449	1246.5	184.49	117.3	643.6
240	0.00122374	1037.90	2.6939	4.7272	1206.8	170.02	112.1	633.3

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 70 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124631	1085.65	2.7861	4.8250	1164.5	155.45	107.1	621.7
260	0.00127132	1134.47	2.8785	4.9428	1119.3	140.78	102.5	608.9
270	0.00129933	1184.60	2.9717	5.0874	1070.7	126.04	98.06	594.6
280	0.00133113	1236.34	3.0661	5.2698	1017.8	111.17	93.75	578.8
<hr/>								
$t_s = 285.830 \text{ °C}$	Saturation							
Liquid	0.00135186	1267.44	3.1220	5.4004	984.51	102.43	91.27	568.7
Vapour	0.0273796	2772.57	5.8146	5.3540	489.28	1.2491	18.89	64.37
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290	0.0280439	2793.98	5.8528	4.9360	496.60	1.2563	19.12	63.22
300	0.0294938	2839.83	5.9335	4.2919	511.27	1.2661	19.65	61.24
310	0.0308034	2880.57	6.0040	3.8817	523.61	1.2715	20.16	60.06
320	0.0320146	2917.86	6.0674	3.5913	534.56	1.2751	20.66	59.41
330	0.0331520	2952.63	6.1255	3.3740	544.52	1.2777	21.16	59.14
340	0.0342317	2985.50	6.1796	3.2052	553.73	1.2796	21.65	59.15
350	0.0352650	3016.85	6.2303	3.0704	562.33	1.2810	22.12	59.36
360	0.0362600	3046.99	6.2783	2.9608	570.43	1.2820	22.60	59.69
370	0.0372229	3076.13	6.3240	2.8703	578.11	1.2827	23.06	60.01
380	0.0381585	3104.44	6.3677	2.7949	585.42	1.2831	23.53	60.63
390	0.0390705	3132.07	6.4096	2.7314	592.42	1.2833	23.98	61.40
400	0.0399621	3159.10	6.4501	2.6778	599.14	1.2833	24.44	62.20
410	0.0408358	3185.65	6.4892	2.6321	605.62	1.2831	24.89	63.05
420	0.0416938	3211.77	6.5272	2.5932	611.88	1.2828	25.33	63.95
430	0.0425378	3237.53	6.5641	2.5599	617.95	1.2824	25.77	64.90
440	0.0433694	3262.98	6.6000	2.5313	623.84	1.2819	26.21	65.88
450	0.0441898	3288.17	6.6351	2.5067	629.58	1.2814	26.65	66.90
460	0.0450001	3313.13	6.6694	2.4855	635.17	1.2808	27.08	67.94
470	0.0458014	3337.89	6.7029	2.4673	640.63	1.2801	27.51	69.01
480	0.0465944	3362.48	6.7358	2.4516	645.97	1.2793	27.94	70.10
490	0.0473799	3386.93	6.7681	2.4381	651.19	1.2786	28.37	71.21
500	0.0481585	3411.25	6.7997	2.4265	656.32	1.2778	28.79	72.35
510	0.0489308	3435.46	6.8308	2.4166	661.35	1.2770	29.21	73.50
520	0.0496972	3459.59	6.8614	2.4081	666.29	1.2761	29.63	74.66
530	0.0504583	3483.63	6.8916	2.4009	671.15	1.2753	30.05	75.84
540	0.0512144	3507.61	6.9212	2.3949	675.93	1.2744	30.47	77.03
550	0.0519658	3531.53	6.9505	2.3899	680.63	1.2735	30.88	78.24
560	0.0527130	3555.41	6.9793	2.3857	685.27	1.2726	31.30	79.46
570	0.0534561	3579.25	7.0078	2.3824	689.84	1.2717	31.71	80.69
580	0.0541955	3603.06	7.0358	2.3798	694.35	1.2708	32.12	81.93
590	0.0549314	3626.85	7.0635	2.3779	698.80	1.2699	32.52	83.18
600	0.0556641	3650.62	7.0909	2.3765	703.19	1.2690	32.93	84.44
650	0.0592843	3769.41	7.2232	2.3769	724.41	1.2645	34.94	90.89
700	0.0628467	3888.46	7.3488	2.3861	744.55	1.2601	36.92	97.53
750	0.0663652	4008.12	7.4687	2.4012	763.80	1.2558	38.86	104.3
800	0.0698494	4128.65	7.5837	2.4206	782.28	1.2516	40.78	111.3

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 80 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000996188	8.05907	0.0002693	4.1814	1414.9	251.22	1774.7	566.7
2	0.000996145	16.4176	0.030758	4.1772	1424.8	254.73	1659.3	570.8
4	0.000996165	24.7683	0.060998	4.1737	1434.2	258.10	1555.4	574.9
6	0.000996245	33.1127	0.090998	4.1708	1443.2	261.34	1461.5	578.8
8	0.000996380	41.4519	0.12076	4.1685	1451.9	264.44	1376.5	582.6
10	0.000996568	49.7868	0.15031	4.1665	1460.1	267.41	1299.1	586.4
12	0.000996806	58.1182	0.17963	4.1649	1468.0	270.24	1228.4	590.0
14	0.000997092	66.4467	0.20873	4.1636	1475.5	272.94	1163.7	593.6
16	0.000997423	74.7728	0.23763	4.1625	1482.7	275.50	1104.4	597.1
18	0.000997797	83.0970	0.26632	4.1617	1489.5	277.94	1049.7	600.5
20	0.000998213	91.4196	0.29480	4.1609	1496.0	280.24	999.3	603.8
25	0.000999424	112.221	0.36516	4.1597	1510.7	285.46	889.0	611.7
30	0.00100086	133.018	0.43434	4.1592	1523.6	289.92	797.1	619.1
35	0.00100252	153.814	0.50238	4.1591	1534.7	293.67	719.7	626.1
40	0.00100437	174.610	0.56932	4.1596	1544.1	296.74	653.8	632.7
45	0.00100640	195.410	0.63522	4.1604	1552.0	299.17	597.1	638.8
50	0.00100862	216.215	0.70011	4.1617	1558.5	301.00	548.1	644.6
55	0.00101101	237.028	0.76402	4.1634	1563.6	302.26	505.4	649.9
60	0.00101356	257.850	0.82699	4.1656	1567.4	302.99	467.9	654.9
65	0.00101627	278.684	0.88906	4.1681	1570.1	303.21	434.9	659.5
70	0.00101913	299.532	0.95027	4.1712	1571.6	302.96	405.6	663.7
75	0.00102215	320.396	1.0106	4.1746	1572.2	302.26	379.5	667.6
80	0.00102532	341.279	1.0702	4.1786	1571.7	301.15	356.2	671.2
85	0.00102864	362.183	1.1290	4.1829	1570.3	299.66	335.2	674.4
90	0.00103211	383.109	1.1870	4.1878	1568.1	297.79	316.3	677.3
95	0.00103572	404.061	1.2443	4.1931	1565.0	295.59	299.2	679.9
100	0.00103948	425.041	1.3009	4.1989	1561.1	293.07	283.7	682.1
110	0.00104745	467.093	1.4121	4.2119	1551.2	287.15	256.7	685.7
120	0.00105601	509.285	1.5208	4.2269	1538.5	280.19	234.1	688.2
130	0.00106519	551.639	1.6272	4.2442	1523.4	272.32	214.9	689.5
140	0.00107502	594.178	1.7314	4.2640	1505.8	263.65	198.6	689.7
150	0.00108552	636.929	1.8337	4.2866	1486.0	254.29	184.5	688.8
160	0.00109674	679.921	1.9341	4.3123	1464.1	244.30	172.3	686.9
170	0.00110874	723.187	2.0328	4.3417	1440.0	233.78	161.6	684.0
180	0.00112157	766.768	2.1301	4.3752	1413.8	222.78	152.1	680.0
190	0.00113533	810.708	2.2260	4.4137	1385.6	211.37	143.7	675.0
200	0.00115010	855.061	2.3207	4.4578	1355.2	199.61	136.2	669.0
210	0.00116601	899.887	2.4145	4.5087	1322.7	187.55	129.4	661.9
220	0.00118320	945.262	2.5074	4.5677	1288.0	175.25	123.2	653.9
230	0.00120186	991.273	2.5998	4.6363	1251.0	162.77	117.6	644.7
240	0.00122222	1038.03	2.6918	4.7169	1211.6	150.15	112.3	634.4

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

$p = 80 \text{ bar}$								
t	v	h	s	c_p	w	κ	η	λ
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124457	1085.66	2.7837	4.8125	1169.8	137.43	107.4	623.0
260	0.00126930	1134.34	2.8759	4.9272	1125.0	124.65	102.8	610.2
270	0.00129694	1184.29	2.9687	5.0674	1077.0	111.80	98.38	596.2
280	0.00132823	1235.81	3.0627	5.2431	1024.9	98.865	94.09	580.5
290	0.00136429	1289.33	3.1586	5.4713	967.72	85.803	89.87	563.1
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$t_s = 295.009 \text{ °C}$	Saturation							
Liquid	0.00138466	1317.08	3.2077	5.6140	936.73	79.212	87.74	553.6
Vapour	0.0235275	2758.61	5.7448	5.8831	484.07	1.2450	19.33	68.95
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300	0.0242802	2786.38	5.7935	5.2870	493.56	1.2541	19.60	67.24
310	0.0256318	2835.27	5.8781	4.5559	509.11	1.2640	20.12	64.85
320	0.0268425	2878.35	5.9514	4.0905	522.16	1.2697	20.64	63.38
330	0.0279551	2917.53	6.0169	3.7620	533.69	1.2736	21.14	62.52
340	0.0289946	2953.87	6.0766	3.5176	544.12	1.2764	21.64	62.09
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350	0.0299776	2988.06	6.1319	3.3288	553.71	1.2785	22.13	61.95
360	0.0309152	3020.57	6.1837	3.1789	562.64	1.2800	22.61	61.98
370	0.0318155	3051.73	6.2325	3.0573	571.02	1.2811	23.08	61.99
380	0.0326848	3081.79	6.2789	2.9572	578.94	1.2818	23.55	62.41
390	0.0335276	3110.93	6.3232	2.8738	586.46	1.2823	24.01	63.05
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400	0.0343477	3139.31	6.3657	2.8037	593.65	1.2825	24.46	63.72
410	0.0351482	3167.04	6.4066	2.7444	600.54	1.2826	24.92	64.47
420	0.0359315	3194.23	6.4461	2.6939	607.17	1.2825	25.37	65.29
430	0.0366996	3220.95	6.4843	2.6507	613.56	1.2822	25.81	66.16
440	0.0374543	3247.26	6.5215	2.6136	619.75	1.2819	26.25	67.08
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450	0.0381970	3273.23	6.5577	2.5817	625.75	1.2814	26.69	68.04
460	0.0389290	3298.91	6.5929	2.5541	631.59	1.2809	27.13	69.04
470	0.0396513	3324.33	6.6274	2.5303	637.27	1.2803	27.56	70.06
480	0.0403649	3349.53	6.6611	2.5097	642.82	1.2796	27.99	71.12
490	0.0410706	3374.53	6.6940	2.4919	648.24	1.2789	28.42	72.20
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500	0.0417691	3399.37	6.7264	2.4765	653.54	1.2782	28.84	73.30
510	0.0424609	3424.07	6.7581	2.4631	658.73	1.2774	29.27	74.42
520	0.0431467	3448.64	6.7893	2.4516	663.82	1.2766	29.69	75.56
530	0.0438269	3473.11	6.8199	2.4416	668.82	1.2758	30.11	76.71
540	0.0445019	3497.48	6.8501	2.4331	673.73	1.2750	30.52	77.88
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550	0.0451721	3521.77	6.8798	2.4258	678.56	1.2741	30.94	79.07
560	0.0458379	3546.00	6.9091	2.4196	683.31	1.2733	31.35	80.27
570	0.0464996	3570.17	6.9379	2.4144	687.99	1.2724	31.76	81.48
580	0.0471574	3594.29	6.9663	2.4101	692.60	1.2715	32.17	82.71
590	0.0478117	3618.37	6.9944	2.4066	697.15	1.2707	32.58	83.94
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600	0.0484625	3642.42	7.0221	2.4038	701.64	1.2698	32.99	85.19
650	0.0516732	3762.42	7.1557	2.3983	723.25	1.2654	35.00	91.57
700	0.0548251	3882.42	7.2823	2.4032	743.70	1.2610	36.97	98.16
750	0.0579325	4002.86	7.4030	2.4152	763.20	1.2568	38.92	104.9
800	0.0610054	4124.02	7.5186	2.4322	781.88	1.2526	40.83	111.8

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 90 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000995693	9.06495	0.0003056	4.1768	1416.6	223.92	1772.6	567.3
2	0.000995657	17.4145	0.030762	4.1728	1426.4	227.05	1657.5	571.4
4	0.000995683	25.7568	0.060971	4.1696	1435.8	230.05	1553.9	575.4
6	0.000995769	34.0933	0.090943	4.1669	1444.8	232.93	1460.3	579.4
8	0.000995909	42.4249	0.12068	4.1648	1453.5	235.69	1375.5	583.2
10	0.000996102	50.7526	0.15020	4.1630	1461.7	238.33	1298.2	586.9
12	0.000996345	59.0771	0.17949	4.1616	1469.6	240.85	1227.7	590.6
14	0.000996634	67.3990	0.20858	4.1604	1477.1	243.25	1163.2	594.1
16	0.000996969	75.7188	0.23745	4.1594	1484.3	245.53	1103.9	597.6
18	0.000997346	84.0368	0.26612	4.1586	1491.1	247.70	1049.4	601.0
20	0.000997765	92.3534	0.29459	4.1580	1497.6	249.75	999.0	604.3
25	0.000998982	113.141	0.36490	4.1570	1512.3	254.39	888.9	612.2
30	0.00100043	133.925	0.43403	4.1566	1525.2	258.37	797.1	619.7
35	0.00100208	154.708	0.50203	4.1567	1536.3	261.70	719.8	626.7
40	0.00100393	175.492	0.56894	4.1572	1545.7	264.44	653.9	633.2
45	0.00100597	196.281	0.63480	4.1582	1553.6	266.61	597.3	639.3
50	0.00100818	217.075	0.69965	4.1595	1560.1	268.24	548.3	645.1
55	0.00101057	237.876	0.76352	4.1613	1565.2	269.37	505.6	650.4
60	0.00101312	258.688	0.82647	4.1634	1569.1	270.03	468.2	655.4
65	0.00101582	279.511	0.88851	4.1660	1571.8	270.23	435.2	660.0
70	0.00101869	300.349	0.94968	4.1691	1573.4	270.02	405.9	664.2
75	0.00102170	321.203	1.0100	4.1726	1574.0	269.42	379.8	668.1
80	0.00102486	342.075	1.0695	4.1765	1573.5	268.44	356.4	671.7
85	0.00102818	362.968	1.1283	4.1808	1572.2	267.12	335.5	674.9
90	0.00103163	383.884	1.1863	4.1856	1570.0	265.48	316.6	677.8
95	0.00103524	404.825	1.2436	4.1909	1567.0	263.53	299.5	680.4
100	0.00103899	425.794	1.3001	4.1967	1563.1	261.30	284.0	682.7
110	0.00104693	467.824	1.4113	4.2096	1553.3	256.07	257.0	686.3
120	0.00105547	509.992	1.5199	4.2245	1540.8	249.91	234.3	688.8
130	0.00106462	552.321	1.6262	4.2417	1525.7	242.94	215.2	690.1
140	0.00107441	594.834	1.7304	4.2612	1508.3	235.26	198.9	690.3
150	0.00108487	637.556	1.8326	4.2836	1488.6	226.96	184.8	689.5
160	0.00109604	680.516	1.9329	4.3090	1466.8	218.11	172.5	687.6
170	0.00110799	723.747	2.0316	4.3380	1442.9	208.79	161.8	684.7
180	0.00112076	767.289	2.1288	4.3711	1417.0	199.05	152.4	680.8
190	0.00113445	811.185	2.2246	4.4090	1388.9	188.94	144.0	675.8
200	0.00114913	855.488	2.3192	4.4525	1358.8	178.51	136.5	669.8
210	0.00116494	900.257	2.4128	4.5026	1326.5	167.83	129.7	662.9
220	0.00118202	945.565	2.5057	4.5605	1292.1	156.93	123.5	654.8
230	0.00120054	991.499	2.5979	4.6279	1255.4	145.87	117.8	645.8
240	0.00122072	1038.16	2.6897	4.7069	1216.4	134.68	112.6	635.6

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 90 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124285	1085.68	2.7814	4.8002	1174.9	123.41	107.7	624.2
260	0.00126731	1134.23	2.8733	4.9120	1130.7	112.09	103.1	611.6
270	0.00129459	1184.00	2.9658	5.0480	1083.3	100.71	98.69	597.7
280	0.00132540	1235.30	3.0594	5.2176	1032.0	89.283	94.42	582.3
290	0.00136079	1288.52	3.1547	5.4359	975.83	77.753	90.23	565.1
300	0.00140239	1344.27	3.2529	5.7305	913.54	66.121	86.03	545.9
<i>t_s</i> = 303.347 °C	Saturation							
Liquid	0.00141812	1363.65	3.2866	5.8542	891.17	62.225	84.59	538.9
Vapour	0.0204929	2742.88	5.6790	6.4762	478.44	1.2411	19.76	73.78
310	0.0214493	2782.61	5.7475	5.5578	491.95	1.2537	20.11	71.06
320	0.0227102	2833.89	5.8348	4.7670	508.10	1.2631	20.64	68.33
330	0.0238335	2878.87	5.9100	4.2599	521.69	1.2688	21.15	66.61
340	0.0248613	2919.58	5.9769	3.9023	533.66	1.2728	21.65	65.57
350	0.0258184	2957.22	6.0378	3.6370	544.46	1.2757	22.14	64.97
360	0.0267208	2992.53	6.0940	3.4328	554.36	1.2779	22.63	64.63
370	0.0275795	3026.01	6.1465	3.2710	563.55	1.2795	23.11	64.25
380	0.0284025	3058.05	6.1959	3.1400	572.15	1.2806	23.58	64.41
390	0.0291956	3088.89	6.2428	3.0323	580.26	1.2814	24.04	64.88
400	0.0299635	3118.75	6.2875	2.9425	587.95	1.2819	24.50	65.40
410	0.0307096	3147.79	6.3303	2.8671	595.29	1.2821	24.96	66.02
420	0.0314369	3176.13	6.3715	2.8031	602.31	1.2822	25.41	66.74
430	0.0321478	3203.88	6.4113	2.7486	609.06	1.2821	25.86	67.52
440	0.0328442	3231.13	6.4497	2.7018	615.56	1.2819	26.30	68.36
450	0.0335278	3257.94	6.4871	2.6617	621.85	1.2815	26.74	69.26
460	0.0341999	3284.38	6.5234	2.6270	627.95	1.2811	27.18	70.20
470	0.0348618	3310.50	6.5588	2.5970	633.87	1.2806	27.62	71.18
480	0.0355145	3336.33	6.5933	2.5710	639.63	1.2800	28.05	72.19
490	0.0361587	3361.93	6.6271	2.5484	645.24	1.2793	28.48	73.23
500	0.0367955	3387.31	6.6601	2.5287	650.72	1.2787	28.90	74.29
510	0.0374252	3412.51	6.6925	2.5116	656.08	1.2779	29.33	75.38
520	0.0380487	3437.55	6.7243	2.4967	661.33	1.2772	29.75	76.49
530	0.0386664	3462.45	6.7555	2.4838	666.48	1.2764	30.17	77.62
540	0.0392787	3487.23	6.7861	2.4726	671.52	1.2756	30.59	78.77
550	0.0398860	3511.91	6.8163	2.4629	676.48	1.2748	31.00	79.93
560	0.0404888	3536.49	6.8460	2.4545	681.35	1.2740	31.41	81.11
570	0.0410873	3561.00	6.8752	2.4473	686.14	1.2731	31.83	82.30
580	0.0416819	3585.44	6.9040	2.4411	690.86	1.2723	32.24	83.51
590	0.0422728	3609.83	6.9324	2.4359	695.50	1.2714	32.64	84.73
600	0.0428602	3634.16	6.9605	2.4316	700.08	1.2706	33.05	85.96
650	0.0457529	3755.39	7.0955	2.4199	722.10	1.2663	35.06	92.27
700	0.0485859	3876.36	7.2231	2.4205	742.86	1.2620	37.04	98.81
750	0.0513738	3997.58	7.3446	2.4293	762.61	1.2578	38.98	105.5
800	0.0541269	4119.38	7.4608	2.4438	781.49	1.2537	40.89	112.4

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 100 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000995200	10.0693	0.0003384	4.1723	1418.2	202.09	1770.6	567.8
2	0.000995171	18.4100	0.030762	4.1686	1428.0	204.90	1655.8	572.0
4	0.000995203	26.7440	0.060942	4.1655	1437.4	207.61	1552.5	576.0
6	0.000995294	35.0726	0.090884	4.1631	1446.4	210.21	1459.1	579.9
8	0.000995440	43.3967	0.12060	4.1611	1455.1	212.69	1374.5	583.8
10	0.000995638	51.7173	0.15009	4.1595	1463.3	215.07	1297.4	587.5
12	0.000995884	60.0349	0.17936	4.1582	1471.2	217.34	1227.1	591.1
14	0.000996178	68.3503	0.20842	4.1572	1478.7	219.50	1162.6	594.7
16	0.000996516	76.6637	0.23727	4.1563	1485.9	221.56	1103.5	598.2
18	0.000996897	84.9757	0.26592	4.1557	1492.7	223.51	1049.0	601.5
20	0.000997318	93.2865	0.29437	4.1551	1499.2	225.36	998.8	604.8
25	0.000998541	114.060	0.36463	4.1543	1514.0	229.54	888.8	612.7
30	0.000999989	134.831	0.43372	4.1541	1526.8	233.12	797.1	620.2
35	0.00100165	155.601	0.50168	4.1543	1537.9	236.13	719.8	627.2
40	0.00100350	176.374	0.56855	4.1549	1547.4	238.60	654.0	633.7
45	0.00100554	197.151	0.63437	4.1559	1555.3	240.56	597.5	639.9
50	0.00100775	217.934	0.69919	4.1573	1561.8	242.04	548.5	645.6
55	0.00101013	238.725	0.76303	4.1591	1566.9	243.06	505.9	650.9
60	0.00101268	259.526	0.82594	4.1613	1570.8	243.66	468.4	655.9
65	0.00101538	280.339	0.88795	4.1639	1573.6	243.86	435.4	660.5
70	0.00101824	301.166	0.94909	4.1670	1575.2	243.67	406.1	664.8
75	0.00102125	322.009	1.0094	4.1705	1575.8	243.14	380.0	668.6
80	0.00102441	342.871	1.0689	4.1744	1575.4	242.27	356.7	672.2
85	0.00102771	363.754	1.1276	4.1787	1574.1	241.09	335.7	675.4
90	0.00103116	384.659	1.1856	4.1835	1571.9	239.62	316.9	678.3
95	0.00103475	405.590	1.2428	4.1888	1568.9	237.88	299.8	680.9
100	0.00103850	426.548	1.2994	4.1945	1565.1	235.89	284.2	683.2
110	0.00104641	468.555	1.4105	4.2073	1555.4	231.20	257.2	686.9
120	0.00105493	510.701	1.5190	4.2221	1543.0	225.68	234.6	689.4
130	0.00106405	553.005	1.6253	4.2391	1528.0	219.43	215.5	690.7
140	0.00107380	595.491	1.7294	4.2585	1510.7	212.54	199.1	691.0
150	0.00108422	638.184	1.8315	4.2806	1491.2	205.10	185.0	690.2
160	0.00109535	681.112	1.9318	4.3057	1469.6	197.16	172.8	688.3
170	0.00110724	724.309	2.0304	4.3343	1445.8	188.80	162.1	685.4
180	0.00111996	767.812	2.1274	4.3670	1420.1	180.06	152.6	681.5
190	0.00113357	811.665	2.2232	4.4044	1392.2	170.99	144.2	676.6
200	0.00114818	855.918	2.3177	4.4472	1362.3	161.64	136.7	670.7
210	0.00116389	900.631	2.4112	4.4965	1330.3	152.05	129.9	663.8
220	0.00118085	945.874	2.5039	4.5535	1296.1	142.27	123.8	655.8
230	0.00119922	991.731	2.5959	4.6196	1259.8	132.34	118.1	646.8
240	0.00121923	1038.30	2.6876	4.6970	1221.1	122.30	112.9	636.7

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 100 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00124116	1085.72	2.7791	4.7883	1180.0	112.19	108.0	625.5
260	0.00126534	1134.13	2.8708	4.8972	1136.3	102.03	103.4	613.0
270	0.00129228	1183.74	2.9629	5.0293	1089.4	91.840	98.99	599.2
280	0.00132264	1234.82	3.0561	5.1931	1038.9	81.605	94.76	584.0
290	0.00135739	1287.75	3.1510	5.4023	983.78	71.300	90.60	567.0
300	0.00139804	1343.10	3.2484	5.6816	922.76	60.905	86.43	548.1
310	0.00144710	1401.77	3.3498	6.0782	854.92	50.507	82.16	526.8
<i>t_s</i> = 310.999 °C	Saturation							
Liquid	0.00145262	1407.87	3.3603	6.1275	847.74	49.474	81.72	524.5
Vapour	0.0180336	2725.47	5.6159	7.1472	472.44	1.2377	20.19	78.97
320	0.0192716	2782.66	5.7131	5.7468	491.71	1.2546	20.66	74.68
330	0.0204462	2835.67	5.8017	4.9228	508.20	1.2632	21.18	71.67
340	0.0214897	2882.06	5.8780	4.3885	522.16	1.2688	21.68	69.76
350	0.0224422	2923.96	5.9458	4.0118	534.45	1.2728	22.18	68.55
360	0.0233274	2962.61	6.0073	3.7324	545.52	1.2757	22.67	67.72
370	0.0241605	2998.82	6.0641	3.5174	555.64	1.2779	23.15	66.85
380	0.0249522	3033.11	6.1170	3.3471	565.02	1.2794	23.62	66.67
390	0.0257099	3065.87	6.1668	3.2092	573.79	1.2806	24.09	66.91
400	0.0264393	3097.38	6.2139	3.0958	582.04	1.2813	24.55	67.25
410	0.0271447	3127.85	6.2589	3.0013	589.86	1.2818	25.01	67.72
420	0.0278294	3157.45	6.3019	2.9217	597.31	1.2820	25.46	68.30
430	0.0284963	3186.32	6.3432	2.8542	604.44	1.2821	25.91	68.98
440	0.0291475	3214.57	6.3831	2.7965	611.28	1.2820	26.36	69.74
450	0.0297850	3242.28	6.4217	2.7470	617.87	1.2817	26.80	70.56
460	0.0304102	3269.53	6.4591	2.7043	624.24	1.2814	27.24	71.43
470	0.0310246	3296.38	6.4955	2.6674	630.41	1.2810	27.68	72.36
480	0.0316292	3322.89	6.5310	2.6354	636.39	1.2804	28.11	73.32
490	0.0322250	3349.11	6.5655	2.6076	642.21	1.2799	28.54	74.31
500	0.0328129	3375.06	6.5993	2.5833	647.89	1.2792	28.97	75.34
510	0.0333935	3400.78	6.6324	2.5622	653.42	1.2786	29.39	76.39
520	0.0339675	3426.31	6.6648	2.5437	658.83	1.2779	29.81	77.47
530	0.0345355	3451.67	6.6965	2.5275	664.12	1.2771	30.23	78.57
540	0.0350979	3476.87	6.7277	2.5134	669.31	1.2764	30.65	79.69
550	0.0356552	3501.94	6.7584	2.5011	674.39	1.2756	31.07	80.83
560	0.0362078	3526.90	6.7885	2.4904	679.39	1.2748	31.48	81.98
570	0.0367561	3551.75	6.8182	2.4811	684.29	1.2740	31.89	83.16
580	0.0373002	3576.52	6.8474	2.4730	689.11	1.2731	32.30	84.34
590	0.0378406	3601.22	6.8761	2.4660	693.86	1.2723	32.71	85.54
600	0.0383775	3625.84	6.9045	2.4600	698.54	1.2715	33.12	86.76
650	0.0410163	3748.32	7.0409	2.4420	720.95	1.2672	35.13	93.00
700	0.0435944	3870.27	7.1696	2.4380	742.03	1.2630	37.10	99.47
750	0.0461269	3992.28	7.2918	2.4435	762.03	1.2589	39.04	106.1
800	0.0486242	4114.73	7.4087	2.4555	781.12	1.2548	40.95	113.0

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 110 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000994708	11.0723	0.0003675	4.1678	1419.8	184.23	1768.6	568.4
2	0.000994686	19.4042	0.030760	4.1643	1429.6	186.79	1654.1	572.6
4	0.000994725	27.7299	0.060909	4.1615	1439.0	189.25	1551.1	576.6
6	0.000994821	36.0507	0.090824	4.1593	1448.1	191.62	1458.0	580.5
8	0.000994972	44.3674	0.12051	4.1575	1456.7	193.88	1373.5	584.3
10	0.000995175	52.6808	0.14998	4.1560	1464.9	196.04	1296.6	588.0
12	0.000995426	60.9917	0.17922	4.1549	1472.8	198.11	1226.4	591.7
14	0.000995723	69.3006	0.20826	4.1540	1480.3	200.07	1162.1	595.2
16	0.000996064	77.6078	0.23709	4.1533	1487.5	201.94	1103.1	598.7
18	0.000996448	85.9137	0.26572	4.1527	1494.3	203.72	1048.7	602.1
20	0.000996873	94.2187	0.29414	4.1523	1500.8	205.40	998.5	605.4
25	0.000998101	114.978	0.36436	4.1517	1515.6	209.21	888.7	613.3
30	0.000999554	135.736	0.43341	4.1516	1528.4	212.47	797.1	620.7
35	0.00100121	156.495	0.50132	4.1519	1539.5	215.21	719.9	627.7
40	0.00100307	177.256	0.56816	4.1526	1549.0	217.46	654.2	634.2
45	0.00100511	198.021	0.63394	4.1537	1556.9	219.25	597.7	640.4
50	0.00100732	218.793	0.69873	4.1551	1563.4	220.60	548.7	646.1
55	0.00100970	239.573	0.76254	4.1570	1568.6	221.54	506.1	651.4
60	0.00101224	260.363	0.82542	4.1592	1572.5	222.09	468.7	656.4
65	0.00101494	281.166	0.88739	4.1619	1575.3	222.27	435.7	661.0
70	0.00101779	301.983	0.94851	4.1649	1576.9	222.12	406.4	665.3
75	0.00102080	322.816	1.0088	4.1684	1577.6	221.64	380.3	669.2
80	0.00102395	343.668	1.0682	4.1723	1577.2	220.86	357.0	672.7
85	0.00102724	364.540	1.1269	4.1767	1576.0	219.80	336.0	676.0
90	0.00103069	385.435	1.1849	4.1814	1573.8	218.47	317.1	678.9
95	0.00103427	406.355	1.2421	4.1866	1570.9	216.90	300.0	681.5
100	0.00103800	427.302	1.2986	4.1923	1567.1	215.09	284.5	683.8
110	0.00104590	469.287	1.4096	4.2050	1557.5	210.85	257.5	687.4
120	0.00105439	511.409	1.5182	4.2197	1545.2	205.85	234.9	689.9
130	0.00106348	553.689	1.6244	4.2366	1530.3	200.19	215.7	691.3
140	0.00107320	596.148	1.7284	4.2557	1513.2	193.95	199.4	691.6
150	0.00108358	638.813	1.8304	4.2776	1493.8	187.21	185.3	690.8
160	0.00109467	681.710	1.9306	4.3024	1472.3	180.02	173.0	689.0
170	0.00110651	724.873	2.0291	4.3307	1448.7	172.44	162.3	686.1
180	0.00111916	768.337	2.1261	4.3630	1423.1	164.52	152.9	682.3
190	0.00113270	812.147	2.2217	4.3998	1395.5	156.30	144.5	677.4
200	0.00114723	856.351	2.3162	4.4420	1365.8	147.82	137.0	671.5
210	0.00116284	901.009	2.4096	4.4906	1334.0	139.13	130.2	664.7
220	0.00117969	946.187	2.5021	4.5466	1300.2	130.27	124.0	656.8
230	0.00119792	991.970	2.5940	4.6115	1264.1	121.27	118.4	647.8
240	0.00121777	1038.45	2.6855	4.6873	1225.8	112.17	113.1	637.8

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 110 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00123948	1085.76	2.7768	4.7766	1185.1	103.01	108.3	626.7
260	0.00126341	1134.04	2.8682	4.8828	1141.8	93.802	103.7	614.3
270	0.00129002	1183.49	2.9601	5.0112	1095.5	84.572	99.30	600.7
280	0.00131993	1234.36	3.0529	5.1695	1045.7	75.314	95.08	585.6
290	0.00135407	1287.02	3.1473	5.3703	991.56	66.008	90.95	568.9
300	0.00139383	1341.98	3.2440	5.6357	931.80	56.629	86.83	550.4
310	0.00144151	1400.08	3.3445	6.0070	865.35	47.225	82.62	529.4
<i>t_s</i> = 318.081 °C			Saturation					
Liquid	0.00148855	1450.28	3.4300	6.4427	806.15	39.689	79.04	510.4
Vapour	0.0159939	2706.39	5.5545	7.9168	466.11	1.2349	20.64	84.64
320	0.0162775	2721.07	5.5793	7.4062	471.35	1.2408	20.74	83.28
330	0.0175664	2786.37	5.6885	5.8578	492.74	1.2565	21.24	78.10
340	0.0186580	2840.45	5.7775	5.0240	509.38	1.2642	21.74	74.90
350	0.0196272	2887.79	5.8541	4.4777	523.55	1.2696	22.23	72.82
360	0.0205114	2930.53	5.9221	4.0917	536.03	1.2735	22.72	71.36
370	0.0213326	2969.95	5.9839	3.8048	547.26	1.2763	23.20	69.85
380	0.0221050	3006.84	6.0408	3.5836	557.53	1.2784	23.68	69.22
390	0.0228384	3041.77	6.0939	3.4080	567.03	1.2798	24.15	69.18
400	0.0235398	3075.12	6.1438	3.2658	575.91	1.2809	24.61	69.28
410	0.0242145	3107.17	6.1911	3.1485	584.26	1.2816	25.07	69.57
420	0.0248665	3138.15	6.2361	3.0507	592.17	1.2820	25.53	70.00
430	0.0254991	3168.23	6.2792	2.9682	599.70	1.2822	25.98	70.56
440	0.0261148	3197.55	6.3206	2.8980	606.91	1.2822	26.43	71.21
450	0.0267157	3226.23	6.3605	2.8381	613.82	1.2821	26.87	71.95
460	0.0273036	3254.34	6.3991	2.7865	620.47	1.2818	27.31	72.75
470	0.0278799	3281.98	6.4366	2.7419	626.90	1.2815	27.74	73.60
480	0.0284459	3309.20	6.4730	2.7033	633.12	1.2810	28.18	74.51
490	0.0290026	3336.06	6.5084	2.6697	639.15	1.2805	28.61	75.45
500	0.0295510	3362.61	6.5430	2.6405	645.02	1.2799	29.04	76.43
510	0.0300918	3388.89	6.5767	2.6149	650.74	1.2793	29.46	77.45
520	0.0306258	3414.92	6.6098	2.5925	656.31	1.2786	29.88	78.49
530	0.0311535	3440.74	6.6421	2.5729	661.76	1.2779	30.30	79.56
540	0.0316754	3466.39	6.6738	2.5557	667.09	1.2772	30.72	80.65
550	0.0321920	3491.87	6.7050	2.5406	672.31	1.2764	31.14	81.76
560	0.0327038	3517.20	6.7356	2.5273	677.42	1.2756	31.55	82.89
570	0.0332110	3542.42	6.7657	2.5158	682.44	1.2748	31.96	84.04
580	0.0337141	3567.52	6.7953	2.5056	687.38	1.2740	32.37	85.20
590	0.0342133	3592.53	6.8244	2.4968	692.22	1.2732	32.78	86.38
600	0.0347089	3617.46	6.8531	2.4891	697.00	1.2724	33.19	87.58
650	0.0371405	3741.21	6.9910	2.4643	719.82	1.2682	35.19	93.74
700	0.0395103	3864.16	7.1207	2.4558	741.21	1.2641	37.16	100.2
750	0.0418340	3986.97	7.2437	2.4578	761.46	1.2600	39.10	106.8
800	0.0441222	4110.07	7.3612	2.4674	780.75	1.2560	41.01	113.5

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 120 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
0	0.000994218	12.0737	0.0003931	4.1633	1421.4	169.34	1766.6	569.0
2	0.000994202	20.3970	0.030754	4.1601	1431.2	171.70	1652.5	573.1
4	0.000994247	28.7145	0.060873	4.1575	1440.6	173.96	1549.7	577.1
6	0.000994350	37.0275	0.090760	4.1555	1449.7	176.12	1456.8	581.1
8	0.000994506	45.3369	0.12042	4.1539	1458.3	178.20	1372.5	584.9
10	0.000994713	53.6433	0.14986	4.1526	1466.6	180.19	1295.8	588.6
12	0.000994968	61.9475	0.17909	4.1516	1474.4	182.08	1225.8	592.2
14	0.000995269	70.2499	0.20810	4.1508	1481.9	183.88	1161.6	595.8
16	0.000995614	78.5509	0.23691	4.1502	1489.1	185.60	1102.6	599.2
18	0.000996001	86.8509	0.26551	4.1498	1495.9	187.23	1048.4	602.6
20	0.000996429	95.1500	0.29392	4.1494	1502.4	188.77	998.3	605.9
25	0.000997663	115.896	0.36409	4.1490	1517.2	192.26	888.6	613.8
30	0.000999120	136.641	0.43309	4.1491	1530.0	195.26	797.2	621.2
35	0.00100078	157.387	0.50097	4.1495	1541.2	197.78	720.0	628.2
40	0.00100264	178.136	0.56777	4.1503	1550.6	199.84	654.3	634.7
45	0.00100468	198.891	0.63352	4.1515	1558.6	201.49	597.8	640.9
50	0.00100689	219.652	0.69827	4.1530	1565.1	202.73	549.0	646.6
55	0.00100927	240.421	0.76205	4.1549	1570.3	203.60	506.3	651.9
60	0.00101181	261.201	0.82489	4.1571	1574.2	204.11	468.9	656.9
65	0.00101450	281.993	0.88684	4.1598	1577.0	204.29	435.9	661.5
70	0.00101735	302.800	0.94792	4.1629	1578.7	204.15	406.6	665.8
75	0.00102035	323.622	1.0082	4.1664	1579.4	203.72	380.6	669.7
80	0.00102349	344.464	1.0676	4.1703	1579.1	203.02	357.2	673.3
85	0.00102678	365.326	1.1263	4.1746	1577.8	202.05	336.3	676.5
90	0.00103022	386.210	1.1842	4.1793	1575.7	200.85	317.4	679.4
95	0.00103379	407.120	1.2414	4.1845	1572.8	199.41	300.3	682.0
100	0.00103751	428.056	1.2978	4.1902	1569.1	197.77	284.8	684.3
110	0.00104539	470.020	1.4088	4.2028	1559.6	193.89	257.8	688.0
120	0.00105385	512.119	1.5173	4.2174	1547.4	189.33	235.1	690.5
130	0.00106291	554.374	1.6234	4.2340	1532.6	184.16	216.0	691.9
140	0.00107260	596.807	1.7274	4.2530	1515.6	178.46	199.6	692.2
150	0.00108294	639.443	1.8294	4.2746	1496.4	172.30	185.5	691.4
160	0.00109398	682.309	1.9295	4.2992	1475.0	165.73	173.3	689.6
170	0.00110577	725.438	2.0279	4.3271	1451.6	158.80	162.6	686.8
180	0.00111836	768.865	2.1248	4.3590	1426.2	151.56	153.1	683.0
190	0.00113184	812.632	2.2204	4.3953	1398.8	144.05	144.7	678.2
200	0.00114628	856.788	2.3147	4.4369	1369.3	136.31	137.2	672.4
210	0.00116180	901.391	2.4080	4.4847	1337.8	128.36	130.4	665.6
220	0.00117853	946.506	2.5004	4.5397	1304.1	120.26	124.3	657.7
230	0.00119664	992.215	2.5921	4.6035	1268.4	112.04	118.6	648.9
240	0.00121632	1038.61	2.6834	4.6779	1230.4	103.72	113.4	638.9

Table 3 Single-phase region – Continued
(0 °C to 800 °C)

<i>p</i> = 120 bar								
<i>t</i>	<i>v</i>	<i>h</i>	<i>s</i>	<i>c_p</i>	<i>w</i>	<i>κ</i>	<i>η</i>	<i>λ</i>
[°C]	[m ³ kg ⁻¹]	[kJ kg ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[kJ kg ⁻¹ K ⁻¹]	[m s ⁻¹]	[–]	[10 ⁻⁶ Pa s]	[10 ⁻³ W m ⁻¹ K ⁻¹]
250	0.00123783	1085.81	2.7745	4.7652	1190.1	95.346	108.5	627.9
260	0.00126151	1133.97	2.8657	4.8688	1147.2	86.937	104.0	615.7
270	0.00128779	1183.26	2.9573	4.9936	1101.5	78.508	99.60	602.2
280	0.00131728	1233.94	3.0498	5.1467	1052.4	70.063	95.40	587.3
290	0.00135084	1286.33	3.1436	5.3398	999.16	61.587	91.30	570.8
300	0.00138976	1340.93	3.2397	5.5924	940.65	53.056	87.22	552.5
310	0.00143614	1398.49	3.3393	5.9411	875.62	44.489	83.07	532.0
320	0.00149369	1460.31	3.4444	6.4621	803.26	35.998	78.70	508.7
<i>t_s</i> = 324.678 °C	Saturation							
Liquid	0.00152633	1491.33	3.4965	6.8126	765.59	32.001	76.51	496.5
Vapour	0.0142689	2685.58	5.4941	8.8189	459.46	1.2329	21.11	90.93
330	0.0150236	2728.14	5.5650	7.3313	474.22	1.2474	21.36	86.66
340	0.0162112	2793.47	5.6725	5.8968	494.92	1.2591	21.84	81.36
350	0.0172227	2848.01	5.7607	5.0746	511.54	1.2661	22.32	78.01
360	0.0181226	2895.87	5.8369	4.5309	525.77	1.2711	22.80	75.68
370	0.0189442	2939.15	5.9047	4.1447	538.33	1.2748	23.28	73.37
380	0.0197077	2979.09	5.9664	3.8563	549.63	1.2774	23.76	72.13
390	0.0204258	3016.49	6.0232	3.6329	559.97	1.2793	24.23	71.73
400	0.0211077	3051.90	6.0762	3.4551	569.54	1.2806	24.69	71.53
410	0.0217597	3085.70	6.1261	3.3106	578.47	1.2815	25.15	71.59
420	0.0223867	3118.19	6.1733	3.1912	586.89	1.2821	25.60	71.85
430	0.0229924	3149.59	6.2182	3.0914	594.85	1.2825	26.05	72.26
440	0.0235799	3180.07	6.2613	3.0071	602.43	1.2826	26.50	72.79
450	0.0241515	3209.77	6.3027	2.9353	609.68	1.2826	26.94	73.43
460	0.0247091	3238.81	6.3425	2.8737	616.64	1.2824	27.38	74.14
470	0.0252545	3267.28	6.3811	2.8207	623.34	1.2821	27.82	74.92
480	0.0257890	3295.25	6.4185	2.7748	629.81	1.2817	28.25	75.76
490	0.0263138	3322.79	6.4548	2.7349	636.07	1.2813	28.68	76.65
500	0.0268298	3349.97	6.4902	2.7002	642.14	1.2807	29.11	77.58
510	0.0273378	3376.81	6.5247	2.6698	648.04	1.2801	29.54	78.55
520	0.0278387	3403.37	6.5584	2.6432	653.79	1.2795	29.96	79.55
530	0.0283331	3429.69	6.5914	2.6199	659.39	1.2788	30.38	80.59
540	0.0288215	3455.78	6.6237	2.5993	664.86	1.2781	30.80	81.64
550	0.0293045	3481.68	6.6553	2.5813	670.22	1.2774	31.21	82.72
560	0.0297824	3507.41	6.6864	2.5654	675.46	1.2766	31.62	83.83
570	0.0302557	3533.00	6.7169	2.5514	680.60	1.2758	32.04	84.95
580	0.0307247	3558.45	6.7469	2.5391	685.64	1.2751	32.45	86.09
590	0.0311897	3583.78	6.7764	2.5283	690.60	1.2743	32.85	87.25
600	0.0316511	3609.02	6.8055	2.5188	695.46	1.2734	33.26	88.42
650	0.0339104	3734.07	6.9448	2.4871	718.70	1.2693	35.26	94.50
700	0.0361069	3858.03	7.0756	2.4737	740.40	1.2652	37.23	100.8
750	0.0382567	3981.64	7.1994	2.4723	760.90	1.2612	39.16	107.4
800	0.0403706	4105.40	7.3175	2.4793	780.40	1.2571	41.07	114.1