

# ARCTON® 22



## Thermodynamic Property Data SI Units

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# ARCTON 22

## **Saturation Properties**

**R22 SATURATION PROPERTIES (SI Units)**

Temp. (°C)	Absolute Pressure bar	Density		Enthalpy			Entropy		Temp (K)
		kg/m <sup>3</sup>		kJ/kg			kJ/(kg K)		
		Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	
-60	0.3750	1463.8	1.867	33.856	244.801	278.657	0.728	1.877	213.15
-59	0.3970	1461.1	1.969	34.929	244.204	279.133	0.733	1.874	214.15
-58	0.4200	1458.3	2.075	36.002	243.605	279.607	0.738	1.871	215.15
-57	0.4441	1455.5	2.185	37.075	243.006	280.081	0.743	1.868	216.15
-56	0.4692	1452.7	2.300	38.149	242.404	280.554	0.748	1.865	217.15
-55	0.4955	1449.9	2.420	39.224	241.802	281.025	0.753	1.862	218.15
-54	0.5230	1447.0	2.545	40.299	241.197	281.496	0.758	1.859	219.15
-53	0.5516	1444.2	2.675	41.374	240.592	281.966	0.763	1.856	220.15
-52	0.5816	1441.4	2.810	42.450	239.984	282.434	0.768	1.853	221.15
-51	0.6128	1438.6	2.950	43.527	239.375	282.902	0.773	1.850	222.15
-50	0.6453	1435.7	3.096	44.604	238.764	283.368	0.778	1.848	223.15
-49	0.6792	1432.9	3.247	45.682	238.151	283.833	0.782	1.845	224.15
-48	0.7145	1430.0	3.405	46.761	237.537	284.297	0.787	1.842	225.15
-47	0.7512	1427.1	3.568	47.840	236.920	284.760	0.792	1.840	226.15
-46	0.7894	1424.3	3.737	48.920	236.302	285.222	0.797	1.837	227.15
-45	0.8292	1421.4	3.912	50.001	235.681	285.682	0.801	1.834	228.15
-44	0.8705	1418.5	4.094	51.082	235.059	286.141	0.806	1.832	229.15
-43	0.9134	1415.6	4.282	52.165	234.435	286.599	0.811	1.829	230.15
-42	0.9580	1412.7	4.477	53.248	233.808	287.056	0.816	1.827	231.15
-41	1.0043	1409.8	4.679	54.332	233.179	287.511	0.820	1.825	232.15
-40	1.0523	1406.9	4.888	55.417	232.548	287.965	0.825	1.822	233.15
-39	1.1021	1403.9	5.104	56.502	231.915	288.417	0.829	1.820	234.15
-38	1.1538	1401.0	5.327	57.589	231.279	288.868	0.834	1.818	235.15
-37	1.2073	1398.0	5.558	58.677	230.641	289.318	0.839	1.815	236.15
-36	1.2628	1395.1	5.797	59.765	230.001	289.766	0.843	1.813	237.15
-35	1.3203	1392.1	6.044	60.855	229.358	290.213	0.848	1.811	238.15
-34	1.3798	1389.1	6.298	61.946	228.713	290.658	0.852	1.809	239.15
-33	1.4413	1386.2	6.561	63.038	228.065	291.102	0.857	1.807	240.15
-32	1.5050	1383.2	6.833	64.131	227.414	291.545	0.861	1.805	241.15
-31	1.5708	1380.2	7.113	65.225	226.761	291.985	0.866	1.802	242.15
-30	1.6389	1377.1	7.402	66.320	226.104	292.425	0.870	1.800	243.15
-29	1.7093	1374.1	7.700	67.417	225.445	292.862	0.875	1.798	244.15
-28	1.7819	1371.1	8.007	68.515	224.783	293.298	0.879	1.796	245.15
-27	1.8570	1368.0	8.324	69.614	224.119	293.733	0.884	1.794	246.15
-26	1.9344	1365.0	8.650	70.715	223.451	294.166	0.888	1.792	247.15

**R22 SATURATION PROPERTIES (SI Units)**

Temp. (°C)	Absolute Pressure bar	Density		Enthalpy			Entropy		Temp (K)
		kg/m <sup>3</sup>		kJ/kg			kJ/(kg K)		
		Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	
-25	2.0144	1361.9	8.986	71.817	222.780	294.597	0.893	1.791	248.15
-24	2.0969	1358.9	9.332	72.921	222.106	295.026	0.897	1.789	249.15
-23	2.1819	1355.8	9.688	74.026	221.428	295.454	0.902	1.787	250.15
-22	2.2697	1352.7	10.055	75.133	220.748	295.880	0.906	1.785	251.15
-21	2.3601	1349.6	10.433	76.241	220.064	296.305	0.910	1.783	252.15
-20	2.4532	1346.5	10.821	77.351	219.376	296.727	0.915	1.781	253.15
-19	2.5491	1343.3	11.221	78.463	218.685	297.148	0.919	1.780	254.15
-18	2.6479	1340.2	11.632	79.576	217.991	297.567	0.923	1.778	255.15
-17	2.7497	1337.0	12.054	80.692	217.292	297.984	0.928	1.776	256.15
-16	2.8543	1333.9	12.489	81.809	216.590	298.399	0.932	1.774	257.15
-15	2.9620	1330.7	12.935	82.928	215.884	298.813	0.936	1.773	258.15
-14	3.0728	1327.5	13.394	84.050	215.174	299.224	0.941	1.771	259.15
-13	3.1868	1324.3	13.865	85.173	214.461	299.634	0.945	1.769	260.15
-12	3.3039	1321.1	14.349	86.299	213.742	300.041	0.949	1.768	261.15
-11	3.4242	1317.9	14.847	87.427	213.020	300.447	0.954	1.766	262.15
-10	3.5479	1314.6	15.357	88.557	212.294	300.850	0.958	1.765	263.15
-9	3.6750	1311.4	15.881	89.689	211.562	301.252	0.962	1.763	264.15
-8	3.8055	1308.1	16.419	90.824	210.827	301.651	0.966	1.761	265.15
-7	3.9394	1304.8	16.971	91.962	210.087	302.048	0.971	1.760	266.15
-6	4.0769	1301.5	17.538	93.102	209.341	302.443	0.975	1.758	267.15
-5	4.2181	1298.2	18.119	94.244	208.592	302.836	0.979	1.757	268.15
-4	4.3628	1294.9	18.716	95.390	207.837	303.226	0.983	1.755	269.15
-3	4.5114	1291.6	19.327	96.538	207.077	303.614	0.987	1.754	270.15
-2	4.6637	1288.2	19.954	97.689	206.311	304.000	0.992	1.753	271.15
-1	4.8198	1284.8	20.597	98.843	205.541	304.383	0.996	1.751	272.15
0	4.9799	1281.5	21.257	100.000	204.764	304.764	1.000	1.750	273.15
1	5.1439	1278.1	21.933	101.160	203.982	305.143	1.004	1.748	274.15
2	5.3120	1274.6	22.626	102.324	203.195	305.518	1.008	1.747	275.15
3	5.4841	1271.2	23.336	103.490	202.401	305.892	1.013	1.746	276.15
4	5.6605	1267.8	24.063	104.660	201.602	306.262	1.017	1.744	277.15
5	5.8410	1264.3	24.809	105.834	200.796	306.630	1.021	1.743	278.15
6	6.0258	1260.8	25.573	107.011	199.984	306.995	1.025	1.742	279.15
7	6.2150	1257.3	26.356	108.192	199.165	307.357	1.029	1.740	280.15
8	6.4086	1253.8	27.158	109.376	198.339	307.716	1.033	1.739	281.15
9	6.6067	1250.2	27.979	110.565	197.507	308.072	1.038	1.738	282.15
10	6.8093	1246.7	28.820	111.757	196.668	308.424	1.042	1.736	283.15
11	7.0166	1243.1	29.682	112.953	195.821	308.774	1.046	1.735	284.15
12	7.2285	1239.5	30.564	114.153	194.967	309.120	1.050	1.734	285.15
13	7.4451	1235.9	31.467	115.358	194.105	309.463	1.054	1.733	286.15
14	7.6665	1232.3	32.392	116.567	193.236	309.803	1.058	1.731	287.15
15	7.8929	1228.6	33.340	117.780	192.359	310.139	1.063	1.730	288.15
16	8.1241	1224.9	34.310	118.997	191.473	310.471	1.067	1.729	289.15
17	8.3604	1221.2	35.303	120.220	190.580	310.799	1.071	1.728	290.15
18	8.6017	1217.5	36.319	121.446	189.677	311.124	1.075	1.727	291.15
19	8.8482	1213.7	37.360	122.678	188.766	311.444	1.079	1.725	292.15
20	9.0998	1210.0	38.426	123.915	187.846	311.760	1.083	1.724	293.15
21	9.3568	1206.2	39.517	125.156	186.917	312.073	1.087	1.723	294.15
22	9.6191	1202.3	40.633	126.402	185.978	312.380	1.092	1.722	295.15
23	9.8868	1198.5	41.777	127.654	185.029	312.683	1.096	1.721	296.15
24	10.1600	1194.6	42.947	128.911	184.071	312.982	1.100	1.719	297.15
25	10.4387	1190.7	44.145	130.173	183.102	313.275	1.104	1.718	298.15
26	10.7231	1186.8	45.372	131.441	182.123	313.564	1.108	1.717	299.15
27	11.0132	1182.9	46.628	132.714	181.133	313.847	1.112	1.716	300.15
28	11.3090	1178.9	47.914	133.993	180.132	314.125	1.117	1.715	301.15
29	11.6107	1174.9	49.230	135.277	179.120	314.397	1.121	1.714	302.15

**R22 SATURATION PROPERTIES (SI Units)**

Temp. (°C)	Absolute Pressure bar	Density		Enthalpy			Entropy		Temp (K)
		kg/m <sup>3</sup>		kJ/kg			kJ/(kg K)		
		Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	
30	11.9182	1170.8	50.578	136.568	178.097	314.664	1.125	1.712	303.15
31	12.2318	1166.8	51.958	137.864	177.061	314.925	1.129	1.711	304.15
32	12.5514	1162.7	53.372	139.166	176.014	315.180	1.133	1.710	305.15
33	12.8772	1158.5	54.819	140.475	174.954	315.428	1.138	1.709	306.15
34	13.2091	1154.4	56.301	141.789	173.881	315.670	1.142	1.708	307.15
35	13.5473	1150.2	57.820	143.110	172.795	315.906	1.146	1.707	308.15
36	13.8919	1145.9	59.375	144.438	171.696	316.134	1.150	1.706	309.15
37	14.2429	1141.7	60.968	145.772	170.583	316.355	1.154	1.704	310.15
38	14.6004	1137.4	62.600	147.112	169.456	316.568	1.159	1.703	311.15
39	14.9645	1133.0	64.272	148.460	168.314	316.774	1.163	1.702	312.15
40	15.3352	1128.6	65.986	149.814	167.158	316.972	1.167	1.701	313.15
41	15.7127	1124.2	67.742	151.175	165.986	317.161	1.171	1.700	314.15
42	16.0970	1119.7	69.542	152.543	164.799	317.342	1.175	1.698	315.15
43	16.4882	1115.2	71.387	153.918	163.596	317.514	1.180	1.697	316.15
44	16.8864	1110.7	73.280	155.301	162.376	317.676	1.184	1.696	317.15
45	17.2916	1106.1	75.220	156.690	161.139	317.829	1.188	1.695	318.15
46	17.7040	1101.4	77.210	158.088	159.885	317.972	1.193	1.693	319.15
47	18.1236	1096.7	79.252	159.492	158.612	318.105	1.197	1.692	320.15
48	18.5504	1092.0	81.347	160.905	157.322	318.227	1.201	1.691	321.15
49	18.9847	1087.2	83.497	162.325	156.012	318.337	1.205	1.690	322.15
50	19.4265	1082.3	85.704	163.753	154.683	318.437	1.210	1.688	323.15
51	19.8758	1077.4	87.970	165.189	153.334	318.524	1.214	1.687	324.15
52	20.3328	1072.4	90.297	166.633	151.965	318.598	1.218	1.686	325.15
53	20.7975	1067.4	92.688	168.086	150.574	318.660	1.223	1.684	326.15
54	21.2700	1062.3	95.144	169.547	149.161	318.708	1.227	1.683	327.15
55	21.7505	1057.2	97.669	171.016	147.726	318.742	1.231	1.681	328.15
56	22.2389	1051.9	100.266	172.494	146.268	318.762	1.236	1.680	329.15
57	22.7355	1046.6	102.936	173.981	144.785	318.766	1.240	1.679	330.15
58	23.2403	1041.3	105.683	175.477	143.278	318.755	1.244	1.677	331.15
59	23.7533	1035.8	108.511	176.982	141.745	318.727	1.249	1.676	332.15
60	24.2748	1030.3	111.422	178.497	140.186	318.682	1.253	1.674	333.15
61	24.8048	1024.7	114.421	180.021	138.599	318.619	1.258	1.672	334.15
62	25.3434	1019.0	117.511	181.554	136.983	318.538	1.262	1.671	335.15
63	25.8906	1013.2	120.697	183.098	135.339	318.437	1.266	1.669	336.15
64	26.4467	1007.3	123.983	184.653	133.663	318.316	1.271	1.667	337.15
65	27.0117	1001.3	127.375	186.218	131.956	318.174	1.275	1.666	338.15
66	27.5857	995.2	130.876	187.794	130.216	318.009	1.280	1.664	339.15
67	28.1689	989.0	134.494	189.381	128.441	317.822	1.284	1.662	340.15
68	28.7614	982.6	138.234	190.980	126.630	317.610	1.289	1.660	341.15
69	29.3632	976.2	142.103	192.592	124.781	317.373	1.293	1.658	342.15
70	29.9745	969.6	146.108	194.216	122.893	317.110	1.298	1.656	343.15
71	30.5954	962.8	150.257	195.854	120.964	316.818	1.303	1.654	344.15
72	31.2261	955.9	154.559	197.506	118.991	316.497	1.307	1.652	345.15
73	31.8667	948.9	159.023	199.174	116.971	316.145	1.312	1.650	346.15
74	32.5173	941.6	163.660	200.857	114.903	315.761	1.316	1.647	347.15
75	33.1781	934.2	168.482	202.558	112.784	315.341	1.321	1.645	348.15
76	33.8491	926.6	173.502	204.277	110.609	314.886	1.326	1.643	349.15
77	34.5307	918.7	178.733	206.016	108.375	314.391	1.331	1.640	350.15
78	35.2228	910.6	184.194	207.777	106.078	313.855	1.335	1.638	351.15
79	35.9258	902.3	189.903	209.562	103.713	313.275	1.340	1.635	352.15
80	36.6397	893.6	195.881	211.373	101.274	312.647	1.345	1.632	353.15
81	37.3647	884.7	202.154	213.214	98.754	311.968	1.350	1.629	354.15
82	38.1011	875.3	208.750	215.089	96.145	311.234	1.355	1.626	355.15
83	38.8489	865.6	215.705	217.001	93.437	310.438	1.360	1.623	356.15
84	39.6086	855.5	223.060	218.957	90.618	309.575	1.366	1.619	357.15

**R22 SATURATION PROPERTIES (SI Units)**

Temp. (°C)	Absolute Pressure bar	Density		Enthalpy			Entropy		Temp (K)
		kg/m <sup>3</sup>		kJ/kg			kJ/(kg K)		
		Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	
85	40.3802	844.8	230.866	220.964	87.674	308.638	1.371	1.616	358.15
86	41.1640	833.6	239.185	223.029	84.587	307.616	1.376	1.612	359.15
87	41.9603	821.7	248.100	225.166	81.332	306.498	1.382	1.608	360.15
88	42.7694	808.9	257.716	227.389	77.878	305.267	1.388	1.604	361.15
89	43.5916	795.2	268.177	229.718	74.182	303.901	1.394	1.599	362.15
90	44.4272	780.3	279.688	232.184	70.183	302.367	1.401	1.594	363.15

# ARCTON 22

## **Superheated Vapour Properties**

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)									Temp (K)
	0.4			0.5			0.6			
	D	H	S	D	H	S	D	H	S	
-58	1.974	279.7	1.876							215.15
-56	1.954	280.8	1.881							217.15
-54	1.935	282.0	1.886	2.431	281.587	1.863				219.15
-52	1.916	283.1	1.891	2.406	282.750	1.869				221.15
-50	1.898	284.3	1.897	2.383	283.916	1.874	2.873	283.539	1.855	223.15
-48	1.880	285.4	1.902	2.360	285.085	1.879	2.844	284.719	1.860	225.15
-46	1.862	286.6	1.907	2.337	286.257	1.884	2.817	285.901	1.866	227.15
-44	1.845	287.8	1.912	2.315	287.433	1.889	2.790	287.087	1.871	229.15
-42	1.828	288.9	1.917	2.294	288.612	1.895	2.763	288.275	1.876	231.15
-40	1.811	290.1	1.922	2.273	289.794	1.900	2.738	289.467	1.881	233.15
-38	1.795	291.3	1.927	2.252	290.980	1.905	2.712	290.662	1.886	235.15
-36	1.779	292.5	1.932	2.232	292.170	1.910	2.687	291.860	1.891	237.15
-34	1.763	293.7	1.937	2.212	293.363	1.915	2.663	293.061	1.896	239.15
-32	1.748	294.9	1.942	2.192	294.560	1.920	2.639	294.266	1.901	241.15
-30	1.733	296.0	1.947	2.173	295.761	1.925	2.616	295.474	1.906	243.15
-28	1.718	297.2	1.952	2.154	296.965	1.930	2.593	296.686	1.911	245.15
-26	1.703	298.4	1.957	2.136	298.173	1.935	2.571	297.901	1.916	247.15
-24	1.689	299.7	1.962	2.118	299.385	1.939	2.549	299.120	1.921	249.15
-22	1.675	300.9	1.967	2.100	300.601	1.944	2.527	300.342	1.926	251.15
-20	1.661	302.1	1.971	2.082	301.821	1.949	2.506	301.569	1.931	253.15
-18	1.648	303.3	1.976	2.065	303.044	1.954	2.485	302.798	1.936	255.15
-16	1.634	304.5	1.981	2.048	304.272	1.959	2.464	304.032	1.941	257.15
-14	1.621	305.7	1.986	2.032	305.504	1.964	2.444	305.269	1.945	259.15
-12	1.608	307.0	1.990	2.015	306.739	1.968	2.424	306.511	1.950	261.15
-10	1.596	308.2	1.995	1.999	307.979	1.973	2.405	307.756	1.955	263.15
-8	1.583	309.4	2.000	1.984	309.223	1.978	2.386	309.005	1.960	265.15
-6	1.571	310.7	2.004	1.968	310.470	1.982	2.367	310.257	1.964	267.15
-4	1.559	311.9	2.009	1.953	311.722	1.987	2.349	311.514	1.969	269.15
-2	1.547	313.2	2.014	1.938	312.978	1.992	2.330	312.775	1.974	271.15



**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	0.7			0.8			0.9			1			1.1			1.2			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-48	3.333	284.4	1.844																225.15
-46	3.301	285.5	1.850																227.15
-44	3.268	286.7	1.855	3.751	286.4	1.841													229.15
-42	3.237	287.9	1.860	3.715	287.6	1.846	4.196	287.3	1.834										231.15
-40	3.206	289.1	1.865	3.679	288.8	1.851	4.155	288.5	1.839	4.635	288.1	1.828							233.15
-38	3.176	290.3	1.870	3.644	290.0	1.857	4.115	289.7	1.844	4.590	289.4	1.833	5.068	289.0	1.823				235.15
-36	3.147	291.5	1.875	3.609	291.2	1.862	4.076	290.9	1.849	4.545	290.6	1.838	5.019	290.3	1.828	5.495	290.0	1.819	237.15
-34	3.118	292.8	1.881	3.576	292.5	1.867	4.037	292.1	1.855	4.502	291.8	1.843	4.970	291.5	1.833	5.442	291.2	1.824	239.15
-32	3.090	294.0	1.886	3.543	293.7	1.872	4.000	293.4	1.860	4.459	293.1	1.849	4.923	292.8	1.838	5.389	292.5	1.829	241.15
-30	3.062	295.2	1.891	3.511	294.9	1.877	3.963	294.6	1.865	4.418	294.3	1.854	4.876	294.0	1.844	5.338	293.7	1.834	243.15
-28	3.035	296.4	1.896	3.479	296.1	1.882	3.927	295.8	1.870	4.377	295.6	1.859	4.831	295.3	1.849	5.287	295.0	1.840	245.15
-26	3.008	297.6	1.901	3.449	297.4	1.887	3.892	297.1	1.875	4.338	296.8	1.864	4.787	296.5	1.854	5.238	296.2	1.845	247.15
-24	2.982	298.9	1.906	3.418	298.6	1.892	3.857	298.3	1.880	4.299	298.0	1.869	4.743	297.8	1.859	5.190	297.5	1.850	249.15
-22	2.957	300.1	1.910	3.389	299.8	1.897	3.823	299.6	1.885	4.261	299.3	1.874	4.701	299.0	1.864	5.143	298.8	1.855	251.15
-20	2.931	301.3	1.915	3.360	301.1	1.902	3.790	300.8	1.890	4.223	300.6	1.879	4.659	300.3	1.869	5.097	300.0	1.860	253.15
-18	2.907	302.6	1.920	3.331	302.3	1.907	3.758	302.1	1.895	4.187	301.8	1.884	4.618	301.6	1.874	5.052	301.3	1.865	255.15
-16	2.883	303.8	1.925	3.303	303.6	1.912	3.726	303.3	1.899	4.151	303.1	1.889	4.578	302.8	1.879	5.008	302.6	1.870	257.15
-14	2.859	305.0	1.930	3.276	304.8	1.916	3.694	304.6	1.904	4.116	304.3	1.894	4.539	304.1	1.884	4.965	303.8	1.875	259.15
-12	2.835	306.3	1.935	3.249	306.1	1.921	3.664	305.8	1.909	4.081	305.6	1.898	4.501	305.4	1.889	4.922	305.1	1.880	261.15
-10	2.813	307.5	1.939	3.222	307.3	1.926	3.634	307.1	1.914	4.047	306.9	1.903	4.463	306.6	1.893	4.881	306.4	1.884	263.15
-8	2.790	308.8	1.944	3.196	308.6	1.931	3.604	308.3	1.919	4.014	308.1	1.908	4.426	307.9	1.898	4.840	307.7	1.889	265.15
-6	2.768	310.0	1.949	3.170	309.8	1.935	3.575	309.6	1.924	3.981	309.4	1.913	4.389	309.2	1.903	4.800	309.0	1.894	267.15
-4	2.746	311.3	1.954	3.145	311.1	1.940	3.546	310.9	1.928	3.949	310.7	1.918	4.354	310.5	1.908	4.760	310.3	1.899	269.15
-2	2.725	312.6	1.958	3.121	312.4	1.945	3.518	312.2	1.933	3.918	312.0	1.922	4.319	311.8	1.913	4.722	311.5	1.904	271.15
0	2.704	313.8	1.963	3.096	313.6	1.950	3.491	313.4	1.938	3.887	313.2	1.927	4.284	313.0	1.917	4.684	312.8	1.908	273.15
2	2.683	315.1	1.968	3.072	314.9	1.954	3.464	314.7	1.942	3.856	314.5	1.932	4.251	314.3	1.922	4.647	314.1	1.913	275.15
4	2.663	316.4	1.972	3.049	316.2	1.959	3.437	316.0	1.947	3.826	315.8	1.936	4.217	315.6	1.927	4.610	315.4	1.918	277.15
6	2.643	317.7	1.977	3.026	317.5	1.964	3.411	317.3	1.952	3.797	317.1	1.941	4.185	316.9	1.931	4.574	316.7	1.923	279.15
8	2.623	319.0	1.981	3.003	318.8	1.968	3.385	318.6	1.956	3.768	318.4	1.946	4.153	318.2	1.936	4.539	318.0	1.927	281.15
10	2.604	320.2	1.986	2.981	320.1	1.973	3.360	319.9	1.961	3.740	319.7	1.950	4.121	319.5	1.941	4.504	319.4	1.932	283.15
12	2.584	321.5	1.991	2.959	321.4	1.977	3.335	321.2	1.965	3.712	321.0	1.955	4.090	320.8	1.945	4.470	320.7	1.936	285.15
14	2.566	322.8	1.995	2.937	322.7	1.982	3.310	322.5	1.970	3.684	322.3	1.959	4.060	322.2	1.950	4.437	322.0	1.941	287.15
16	2.547	324.1	2.000	2.916	324.0	1.986	3.286	323.8	1.975	3.657	323.6	1.964	4.030	323.5	1.954	4.404	323.3	1.946	289.15
18	2.529	325.4	2.004	2.895	325.3	1.991	3.262	325.1	1.979	3.631	324.9	1.969	4.000	324.8	1.959	4.371	324.6	1.950	291.15
20	2.511	326.8	2.009	2.874	326.6	1.995	3.239	326.4	1.984	3.604	326.3	1.973	3.971	326.1	1.964	4.339	325.9	1.955	293.15
25	2.467	330.0	2.020	2.824	329.9	2.006	3.182	329.7	1.995	3.541	329.6	1.984	3.900	329.4	1.975	4.262	329.3	1.966	298.15
30	2.425	333.4	2.031	2.775	333.2	2.018	3.127	333.1	2.006	3.479	332.9	1.995	3.832	332.8	1.986	4.187	332.6	1.977	303.15
35	2.384	336.7	2.042	2.729	336.6	2.028	3.074	336.4	2.017	3.420	336.3	2.006	3.767	336.1	1.997	4.115	336.0	1.988	308.15
40	2.345	340.1	2.052	2.683	339.9	2.039	3.023	339.8	2.028	3.363	339.7	2.017	3.704	339.5	2.008	4.046	339.4	1.999	313.15
45	2.307	343.5	2.063	2.640	343.3	2.050	2.973	343.2	2.039	3.308	343.1	2.028	3.643	343.0	2.019	3.979	342.8	2.010	318.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	1.3			1.4			1.5			1.6			1.7			1.8			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-34	5.917	290.9	1.815																239.15
-32	5.859	292.2	1.821	6.332	291.9	1.812	6.809	291.6	1.805										241.15
-30	5.802	293.4	1.826	6.270	293.1	1.818	6.741	292.8	1.810	7.216	292.5	1.803							243.15
-28	5.747	294.7	1.831	6.210	294.4	1.823	6.676	294.1	1.815	7.145	293.8	1.808	7.617	293.5	1.802				245.15
-26	5.693	296.0	1.836	6.151	295.7	1.828	6.611	295.4	1.821	7.075	295.1	1.814	7.542	294.8	1.807	8.012	294.6	1.801	247.15
-24	5.640	297.2	1.841	6.093	297.0	1.833	6.549	296.7	1.826	7.007	296.4	1.819	7.469	296.1	1.812	7.934	295.9	1.806	249.15
-22	5.588	298.5	1.846	6.036	298.2	1.838	6.487	298.0	1.831	6.941	297.7	1.824	7.398	297.4	1.817	7.857	297.2	1.811	251.15
-20	5.538	299.8	1.851	5.981	299.5	1.843	6.427	299.3	1.836	6.876	299.0	1.829	7.328	298.7	1.822	7.782	298.5	1.816	253.15
-18	5.488	301.1	1.856	5.927	300.8	1.848	6.369	300.5	1.841	6.813	300.3	1.834	7.259	300.0	1.828	7.709	299.8	1.821	255.15
-16	5.440	302.3	1.861	5.874	302.1	1.853	6.311	301.8	1.846	6.751	301.6	1.839	7.193	301.3	1.833	7.637	301.1	1.826	257.15
-14	5.392	303.6	1.866	5.823	303.4	1.858	6.255	303.1	1.851	6.690	302.9	1.844	7.127	302.6	1.838	7.567	302.4	1.832	259.15
-12	5.346	304.9	1.871	5.772	304.7	1.863	6.200	304.4	1.856	6.631	304.2	1.849	7.064	304.0	1.843	7.499	303.7	1.837	261.15
-10	5.300	306.2	1.876	5.722	305.9	1.868	6.146	305.7	1.861	6.573	305.5	1.854	7.001	305.3	1.848	7.432	305.0	1.842	263.15
-8	5.256	307.5	1.881	5.674	307.2	1.873	6.094	307.0	1.866	6.516	306.8	1.859	6.940	306.6	1.853	7.366	306.3	1.847	265.15
-6	5.212	308.8	1.886	5.626	308.5	1.878	6.042	308.3	1.871	6.460	308.1	1.864	6.880	307.9	1.858	7.302	307.7	1.852	267.15
-4	5.169	310.0	1.891	5.579	309.8	1.883	5.991	309.6	1.876	6.405	309.4	1.869	6.821	309.2	1.863	7.239	309.0	1.856	269.15
-2	5.127	311.3	1.895	5.533	311.1	1.888	5.941	310.9	1.881	6.352	310.7	1.874	6.764	310.5	1.867	7.178	310.3	1.861	271.15
0	5.085	312.6	1.900	5.488	312.4	1.893	5.893	312.2	1.885	6.299	312.0	1.879	6.707	311.8	1.872	7.118	311.6	1.866	273.15
2	5.044	313.9	1.905	5.444	313.7	1.897	5.845	313.5	1.890	6.248	313.3	1.883	6.652	313.1	1.877	7.058	312.9	1.871	275.15
4	5.004	315.2	1.910	5.400	315.0	1.902	5.798	314.9	1.895	6.197	314.7	1.888	6.598	314.5	1.882	7.000	314.3	1.876	277.15
6	4.965	316.5	1.914	5.358	316.4	1.907	5.752	316.2	1.900	6.147	316.0	1.893	6.545	315.8	1.887	6.944	315.6	1.881	279.15
8	4.927	317.9	1.919	5.316	317.7	1.911	5.706	317.5	1.904	6.099	317.3	1.898	6.492	317.1	1.891	6.888	316.9	1.885	281.15
10	4.889	319.2	1.924	5.275	319.0	1.916	5.662	318.8	1.909	6.051	318.6	1.902	6.441	318.4	1.896	6.833	318.3	1.890	283.15
12	4.851	320.5	1.928	5.234	320.3	1.921	5.618	320.1	1.914	6.004	320.0	1.907	6.391	319.8	1.901	6.779	319.6	1.895	285.15
14	4.815	321.8	1.933	5.194	321.6	1.925	5.575	321.5	1.918	5.958	321.3	1.912	6.341	321.1	1.905	6.726	320.9	1.899	287.15
16	4.779	323.1	1.938	5.155	323.0	1.930	5.533	322.8	1.923	5.912	322.6	1.916	6.293	322.4	1.910	6.674	322.3	1.904	289.15
18	4.743	324.5	1.942	5.117	324.3	1.935	5.492	324.1	1.928	5.868	324.0	1.921	6.245	323.8	1.915	6.623	323.6	1.909	291.15
20	4.708	325.8	1.947	5.079	325.6	1.939	5.451	325.5	1.932	5.824	325.3	1.925	6.198	325.1	1.919	6.573	325.0	1.913	293.15
25	4.624	329.1	1.958	4.987	329.0	1.950	5.352	328.8	1.943	5.717	328.7	1.937	6.084	328.5	1.931	6.452	328.4	1.925	298.15
30	4.542	332.5	1.969	4.899	332.3	1.962	5.256	332.2	1.955	5.615	332.0	1.948	5.974	331.9	1.942	6.335	331.7	1.936	303.15
35	4.464	335.9	1.980	4.814	335.7	1.973	5.165	335.6	1.966	5.517	335.4	1.959	5.869	335.3	1.953	6.223	335.2	1.947	308.15
40	4.388	339.3	1.991	4.732	339.1	1.984	5.077	339.0	1.977	5.422	338.9	1.970	5.768	338.7	1.964	6.115	338.6	1.958	313.15
45	4.316	342.7	2.002	4.653	342.6	1.995	4.992	342.4	1.988	5.331	342.3	1.981	5.671	342.2	1.975	6.012	342.1	1.969	318.15
50	4.245	346.2	2.013	4.577	346.0	2.005	4.910	345.9	1.998	5.243	345.8	1.992	5.577	345.7	1.986	5.912	345.5	1.980	323.15
55	4.177	349.6	2.023	4.504	349.5	2.016	4.831	349.4	2.009	5.158	349.3	2.003	5.487	349.2	1.997	5.816	349.0	1.991	328.15
60	4.112	353.1	2.034	4.433	353.0	2.027	4.754	352.9	2.020	5.076	352.8	2.013	5.399	352.7	2.007	5.723	352.6	2.002	333.15
65	4.048	356.7	2.045	4.364	356.5	2.037	4.680	356.4	2.030	4.997	356.3	2.024	5.315	356.2	2.018	5.633	356.1	2.012	338.15
70	3.987	360.2	2.055	4.298	360.1	2.048	4.609	360.0	2.041	4.921	359.9	2.034	5.233	359.8	2.028	5.546	359.7	2.023	343.15
75	3.927	363.8	2.065	4.233	363.7	2.058	4.540	363.6	2.051	4.847	363.5	2.045	5.154	363.4	2.039	5.462	363.3	2.033	348.15
80	3.870	367.4	2.076	4.171	367.3	2.068	4.473	367.2	2.061	4.775	367.1	2.055	5.077	367.0	2.049	5.381	366.9	2.043	353.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	1.9			2			2.1			2.2			2.3			2.4			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-26	8.486	294.3	1.794																247.15
-24	8.402	295.6	1.800	8.873	295.3	1.794													249.15
-22	8.319	296.9	1.805	8.785	296.6	1.799	9.253	296.3	1.794	9.725	296.1	1.788							251.15
-20	8.239	298.2	1.810	8.699	297.9	1.805	9.162	297.7	1.799	9.628	297.4	1.794	10.097	297.1	1.789	10.569	296.9	1.784	253.15
-18	8.161	299.5	1.815	8.616	299.3	1.810	9.073	299.0	1.804	9.534	298.7	1.799	9.997	298.5	1.794	10.463	298.2	1.789	255.15
-16	8.084	300.8	1.821	8.534	300.6	1.815	8.986	300.3	1.809	9.441	300.1	1.804	9.899	299.8	1.799	10.360	299.6	1.794	257.15
-14	8.009	302.2	1.826	8.454	301.9	1.820	8.902	301.7	1.815	9.351	301.4	1.809	9.804	301.2	1.804	10.259	300.9	1.800	259.15
-12	7.936	303.5	1.831	8.376	303.2	1.825	8.819	303.0	1.820	9.264	302.8	1.815	9.711	302.5	1.810	10.161	302.3	1.805	261.15
-10	7.865	304.8	1.836	8.300	304.6	1.830	8.738	304.3	1.825	9.178	304.1	1.820	9.620	303.9	1.815	10.065	303.6	1.810	263.15
-8	7.795	306.1	1.841	8.226	305.9	1.835	8.659	305.7	1.830	9.094	305.4	1.825	9.532	305.2	1.820	9.971	305.0	1.815	265.15
-6	7.726	307.4	1.846	8.153	307.2	1.840	8.581	307.0	1.835	9.012	306.8	1.830	9.445	306.5	1.825	9.880	306.3	1.820	267.15
-4	7.659	308.8	1.851	8.082	308.5	1.845	8.506	308.3	1.840	8.932	308.1	1.835	9.360	307.9	1.830	9.791	307.7	1.825	269.15
-2	7.594	310.1	1.856	8.012	309.9	1.850	8.432	309.7	1.845	8.854	309.5	1.840	9.277	309.2	1.835	9.703	309.0	1.830	271.15
0	7.530	311.4	1.860	7.943	311.2	1.855	8.359	311.0	1.850	8.777	310.8	1.845	9.196	310.6	1.840	9.618	310.4	1.835	273.15
2	7.466	312.7	1.865	7.876	312.5	1.860	8.288	312.3	1.855	8.702	312.1	1.850	9.117	311.9	1.845	9.534	311.7	1.840	275.15
4	7.405	314.1	1.870	7.811	313.9	1.865	8.218	313.7	1.859	8.628	313.5	1.854	9.039	313.3	1.850	9.452	313.1	1.845	277.15
6	7.344	315.4	1.875	7.746	315.2	1.869	8.150	315.0	1.864	8.556	314.8	1.859	8.963	314.6	1.854	9.372	314.4	1.850	279.15
8	7.285	316.7	1.880	7.683	316.6	1.874	8.083	316.4	1.869	8.485	316.2	1.864	8.889	316.0	1.859	9.294	315.8	1.855	281.15
10	7.226	318.1	1.884	7.621	317.9	1.879	8.018	317.7	1.874	8.416	317.5	1.869	8.815	317.3	1.864	9.217	317.2	1.860	283.15
12	7.169	319.4	1.889	7.560	319.2	1.884	7.953	319.1	1.879	8.348	318.9	1.874	8.744	318.7	1.869	9.141	318.5	1.864	285.15
14	7.113	320.8	1.894	7.501	320.6	1.888	7.890	320.4	1.883	8.281	320.2	1.878	8.673	320.1	1.874	9.067	319.9	1.869	287.15
16	7.058	322.1	1.898	7.442	321.9	1.893	7.828	321.8	1.888	8.216	321.6	1.883	8.604	321.4	1.878	8.995	321.2	1.874	289.15
18	7.003	323.5	1.903	7.385	323.3	1.898	7.767	323.1	1.893	8.151	323.0	1.888	8.537	322.8	1.883	8.923	322.6	1.879	291.15
20	6.950	324.8	1.908	7.328	324.6	1.902	7.707	324.5	1.897	8.088	324.3	1.892	8.470	324.1	1.888	8.853	324.0	1.883	293.15
25	6.821	328.2	1.919	7.191	328.0	1.914	7.563	327.9	1.909	7.935	327.7	1.904	8.309	327.6	1.899	8.684	327.4	1.895	298.15
30	6.697	331.6	1.931	7.060	331.5	1.925	7.424	331.3	1.920	7.789	331.2	1.915	8.155	331.0	1.911	8.522	330.9	1.906	303.15
35	6.578	335.0	1.942	6.934	334.9	1.936	7.291	334.7	1.931	7.648	334.6	1.927	8.007	334.5	1.922	8.367	334.3	1.918	308.15
40	6.464	338.5	1.953	6.813	338.3	1.948	7.163	338.2	1.943	7.514	338.1	1.938	7.866	337.9	1.933	8.218	337.8	1.929	313.15
45	6.354	341.9	1.964	6.696	341.8	1.959	7.040	341.7	1.954	7.384	341.6	1.949	7.729	341.4	1.944	8.075	341.3	1.940	318.15
50	6.248	345.4	1.975	6.584	345.3	1.969	6.921	345.2	1.965	7.259	345.1	1.960	7.598	344.9	1.955	7.938	344.8	1.951	323.15
55	6.145	348.9	1.985	6.476	348.8	1.980	6.807	348.7	1.975	7.139	348.6	1.971	7.472	348.5	1.966	7.806	348.3	1.962	328.15
60	6.047	352.5	1.996	6.372	352.3	1.991	6.697	352.2	1.986	7.024	352.1	1.981	7.351	352.0	1.977	7.678	351.9	1.972	333.15
65	5.952	356.0	2.007	6.271	355.9	2.002	6.591	355.8	1.997	6.912	355.7	1.992	7.233	355.6	1.987	7.555	355.5	1.983	338.15
70	5.860	359.6	2.017	6.174	359.5	2.012	6.489	359.4	2.007	6.804	359.3	2.002	7.120	359.2	1.998	7.437	359.1	1.994	343.15
75	5.771	363.2	2.028	6.080	363.1	2.022	6.389	363.0	2.018	6.700	362.9	2.013	7.010	362.8	2.008	7.322	362.7	2.004	348.15
80	5.684	366.8	2.038	5.989	366.7	2.033	6.293	366.6	2.028	6.599	366.5	2.023	6.905	366.4	2.019	7.211	366.3	2.014	353.15
85	5.601	370.4	2.048	5.900	370.3	2.043	6.200	370.3	2.038	6.501	370.2	2.034	6.802	370.1	2.029	7.104	370.0	2.025	358.15
90	5.520	374.1	2.058	5.815	374.0	2.053	6.110	373.9	2.048	6.406	373.8	2.044	6.703	373.7	2.039	7.000	373.7	2.035	363.15
95	5.441	377.8	2.068	5.732	377.7	2.063	6.023	377.6	2.058	6.315	377.5	2.054	6.606	377.4	2.049	6.899	377.4	2.045	368.15
100	5.365	381.5	2.078	5.652	381.4	2.073	5.938	381.3	2.068	6.226	381.3	2.064	6.513	381.2	2.059	6.801	381.1	2.055	373.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	2.5			2.6			2.7			2.8			2.9			3			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-18	10.932	298.0	1.784	11.404	297.7	1.780				12.231	298.5	1.777							255.15
-16	10.823	299.3	1.790	11.290	299.1	1.785	11.759	298.8	1.781	12.231	298.5	1.777							257.15
-14	10.717	300.7	1.795	11.178	300.4	1.790	11.641	300.2	1.786	12.107	299.9	1.782	12.576	299.7	1.778	13.048	299.4	1.774	259.15
-12	10.613	302.0	1.800	11.069	301.8	1.796	11.526	301.5	1.791	11.987	301.3	1.787	12.450	301.0	1.783	12.916	300.8	1.779	261.15
-10	10.512	303.4	1.805	10.962	303.1	1.801	11.414	302.9	1.797	11.869	302.7	1.792	12.327	302.4	1.788	12.787	302.2	1.784	263.15
-8	10.414	304.7	1.811	10.858	304.5	1.806	11.305	304.3	1.802	11.755	304.0	1.798	12.207	303.8	1.794	12.661	303.6	1.790	265.15
-6	10.317	306.1	1.816	10.757	305.9	1.811	11.199	305.6	1.807	11.643	305.4	1.803	12.090	305.2	1.799	12.539	305.0	1.795	267.15
-4	10.223	307.5	1.821	10.658	307.2	1.816	11.095	307.0	1.812	11.534	306.8	1.808	11.976	306.6	1.804	12.420	306.3	1.800	269.15
-2	10.131	308.8	1.826	10.561	308.6	1.821	10.994	308.4	1.817	11.428	308.2	1.813	11.865	307.9	1.809	12.303	307.7	1.805	271.15
0	10.041	310.2	1.831	10.467	310.0	1.826	10.894	309.7	1.822	11.324	309.5	1.818	11.756	309.3	1.814	12.190	309.1	1.810	273.15
2	9.953	311.5	1.836	10.374	311.3	1.831	10.798	311.1	1.827	11.223	310.9	1.823	11.650	310.7	1.819	12.079	310.5	1.815	275.15
4	9.867	312.9	1.841	10.284	312.7	1.836	10.703	312.5	1.832	11.123	312.3	1.828	11.546	312.1	1.824	11.970	311.9	1.820	277.15
6	9.783	314.2	1.845	10.196	314.1	1.841	10.610	313.9	1.837	11.026	313.7	1.833	11.444	313.5	1.829	11.864	313.3	1.825	279.15
8	9.700	315.6	1.850	10.109	315.4	1.846	10.519	315.2	1.842	10.931	315.0	1.838	11.345	314.8	1.834	11.760	314.7	1.830	281.15
10	9.619	317.0	1.855	10.024	316.8	1.851	10.430	316.6	1.847	10.838	316.4	1.843	11.247	316.2	1.839	11.659	316.0	1.835	283.15
12	9.540	318.3	1.860	9.941	318.2	1.856	10.343	318.0	1.852	10.747	317.8	1.848	11.152	317.6	1.844	11.559	317.4	1.840	285.15
14	9.462	319.7	1.865	9.859	319.5	1.860	10.258	319.4	1.856	10.658	319.2	1.852	11.059	319.0	1.849	11.462	318.8	1.845	287.15
16	9.386	321.1	1.869	9.779	320.9	1.865	10.174	320.7	1.861	10.570	320.6	1.857	10.968	320.4	1.853	11.367	320.2	1.850	289.15
18	9.311	322.4	1.874	9.701	322.3	1.870	10.092	322.1	1.866	10.484	321.9	1.862	10.878	321.8	1.858	11.273	321.6	1.855	291.15
20	9.238	323.8	1.879	9.624	323.7	1.875	10.011	323.5	1.871	10.400	323.3	1.867	10.790	323.1	1.863	11.182	323.0	1.859	293.15
25	9.060	327.3	1.891	9.438	327.1	1.886	9.817	326.9	1.882	10.197	326.8	1.878	10.578	326.6	1.875	10.961	326.5	1.871	298.15
30	8.891	330.7	1.902	9.260	330.6	1.898	9.631	330.4	1.894	10.003	330.3	1.890	10.376	330.1	1.886	10.750	330.0	1.883	303.15
35	8.728	334.2	1.913	9.090	334.0	1.909	9.453	333.9	1.905	9.817	333.8	1.901	10.182	333.6	1.898	10.548	333.5	1.894	308.15
40	8.572	337.7	1.925	8.927	337.5	1.921	9.283	337.4	1.917	9.639	337.3	1.913	9.997	337.1	1.909	10.356	337.0	1.905	313.15
45	8.422	341.2	1.936	8.770	341.0	1.932	9.119	340.9	1.928	9.469	340.8	1.924	9.819	340.7	1.920	10.171	340.5	1.917	318.15
50	8.279	344.7	1.947	8.620	344.6	1.943	8.962	344.4	1.939	9.305	344.3	1.935	9.649	344.2	1.931	9.993	344.1	1.928	323.15
55	8.140	348.2	1.958	8.475	348.1	1.954	8.811	348.0	1.950	9.147	347.9	1.946	9.485	347.8	1.942	9.823	347.6	1.939	328.15
60	8.007	351.8	1.968	8.336	351.7	1.964	8.665	351.6	1.960	8.996	351.5	1.957	9.327	351.3	1.953	9.659	351.2	1.950	333.15
65	7.878	355.4	1.979	8.201	355.3	1.975	8.525	355.2	1.971	8.850	355.0	1.967	9.175	354.9	1.964	9.501	354.8	1.960	338.15
70	7.754	359.0	1.990	8.072	358.9	1.986	8.390	358.8	1.982	8.709	358.7	1.978	9.029	358.6	1.974	9.349	358.4	1.971	343.15
75	7.634	362.6	2.000	7.946	362.5	1.996	8.259	362.4	1.992	8.573	362.3	1.988	8.887	362.2	1.985	9.202	362.1	1.981	348.15
80	7.518	366.2	2.010	7.825	366.1	2.006	8.133	366.0	2.003	8.442	365.9	1.999	8.751	365.8	1.995	9.060	365.7	1.992	353.15
85	7.406	369.9	2.021	7.708	369.8	2.017	8.011	369.7	2.013	8.315	369.6	2.009	8.619	369.5	2.006	8.923	369.4	2.002	358.15
90	7.297	373.6	2.031	7.595	373.5	2.027	7.893	373.4	2.023	8.192	373.3	2.019	8.491	373.2	2.016	8.790	373.1	2.012	363.15
95	7.192	377.3	2.041	7.485	377.2	2.037	7.778	377.1	2.033	8.072	377.0	2.030	8.367	376.9	2.026	8.662	376.8	2.023	368.15
100	7.089	381.0	2.051	7.378	380.9	2.047	7.667	380.8	2.043	7.957	380.8	2.040	8.247	380.7	2.036	8.538	380.6	2.033	373.15
105	6.990	384.8	2.061	7.275	384.7	2.057	7.560	384.6	2.053	7.845	384.5	2.050	8.131	384.4	2.046	8.417	384.4	2.043	378.15
110	6.894	388.5	2.071	7.175	388.4	2.067	7.455	388.4	2.063	7.737	388.3	2.060	8.018	388.2	2.056	8.300	388.1	2.053	383.15
115	6.801	392.3	2.081	7.077	392.2	2.077	7.354	392.2	2.073	7.631	392.1	2.069	7.909	392.0	2.066	8.186	391.9	2.063	388.15
120	6.710	396.1	2.091	6.983	396.1	2.087	7.255	396.0	2.083	7.529	395.9	2.079	7.802	395.8	2.076	8.076	395.8	2.072	393.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	3.1			3.2			3.3			3.4			3.5			3.6			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-12	13.385	300.6	1.775	13.856	300.3	1.772	14.331	300.1	1.768										261.15
-10	13.250	301.9	1.781	13.715	301.7	1.777	14.184	301.5	1.773	14.655	301.2	1.770	15.129	301.0	1.766				263.15
-8	13.119	303.3	1.786	13.578	303.1	1.782	14.041	302.9	1.779	14.506	302.6	1.775	14.973	302.4	1.772	15.444	302.1	1.768	265.15
-6	12.991	304.7	1.791	13.445	304.5	1.787	13.901	304.3	1.784	14.360	304.0	1.780	14.822	303.8	1.777	15.286	303.6	1.774	267.15
-4	12.866	306.1	1.796	13.314	305.9	1.793	13.765	305.7	1.789	14.219	305.4	1.786	14.675	305.2	1.782	15.133	305.0	1.779	269.15
-2	12.744	307.5	1.801	13.187	307.3	1.798	13.633	307.1	1.794	14.081	306.9	1.791	14.531	306.6	1.787	14.984	306.4	1.784	271.15
0	12.626	308.9	1.807	13.064	308.7	1.803	13.504	308.5	1.799	13.946	308.3	1.796	14.391	308.0	1.793	14.838	307.8	1.789	273.15
2	12.510	310.3	1.812	12.943	310.1	1.808	13.378	309.9	1.804	13.815	309.7	1.801	14.255	309.5	1.798	14.696	309.2	1.794	275.15
4	12.396	311.7	1.817	12.825	311.5	1.813	13.255	311.3	1.810	13.687	311.1	1.806	14.122	310.9	1.803	14.558	310.7	1.800	277.15
6	12.286	313.1	1.822	12.709	312.9	1.818	13.135	312.7	1.815	13.562	312.5	1.811	13.992	312.3	1.808	14.423	312.1	1.805	279.15
8	12.177	314.5	1.827	12.597	314.3	1.823	13.018	314.1	1.820	13.440	313.9	1.816	13.865	313.7	1.813	14.292	313.5	1.810	281.15
10	12.072	315.9	1.832	12.486	315.7	1.828	12.903	315.5	1.825	13.321	315.3	1.821	13.741	315.1	1.818	14.163	314.9	1.815	283.15
12	11.968	317.2	1.836	12.379	317.1	1.833	12.791	316.9	1.829	13.204	316.7	1.826	13.620	316.5	1.823	14.037	316.3	1.820	285.15
14	11.867	318.6	1.841	12.273	318.5	1.838	12.681	318.3	1.834	13.090	318.1	1.831	13.502	317.9	1.828	13.914	317.7	1.825	287.15
16	11.767	320.0	1.846	12.170	319.8	1.843	12.573	319.7	1.839	12.979	319.5	1.836	13.386	319.3	1.833	13.794	319.1	1.830	289.15
18	11.670	321.4	1.851	12.068	321.2	1.847	12.468	321.1	1.844	12.869	320.9	1.841	13.272	320.7	1.838	13.677	320.6	1.834	291.15
20	11.575	322.8	1.856	11.969	322.6	1.852	12.365	322.5	1.849	12.762	322.3	1.846	13.161	322.1	1.842	13.562	322.0	1.839	293.15
25	11.345	326.3	1.868	11.730	326.1	1.864	12.116	326.0	1.861	12.504	325.8	1.857	12.893	325.7	1.854	13.284	325.5	1.851	298.15
30	11.125	329.8	1.879	11.502	329.7	1.876	11.880	329.5	1.872	12.259	329.4	1.869	12.639	329.2	1.866	13.020	329.0	1.863	303.15
35	10.916	333.3	1.891	11.284	333.2	1.887	11.654	333.0	1.884	12.024	332.9	1.881	12.396	332.7	1.878	12.769	332.6	1.875	308.15
40	10.715	336.9	1.902	11.076	336.7	1.899	11.438	336.6	1.895	11.800	336.4	1.892	12.164	336.3	1.889	12.529	336.2	1.886	313.15
45	10.523	340.4	1.913	10.876	340.3	1.910	11.231	340.1	1.907	11.586	340.0	1.903	11.942	339.9	1.900	12.299	339.7	1.897	318.15
50	10.339	343.9	1.924	10.685	343.8	1.921	11.032	343.7	1.918	11.381	343.6	1.915	11.729	343.4	1.912	12.079	343.3	1.909	323.15
55	10.162	347.5	1.935	10.502	347.4	1.932	10.842	347.3	1.929	11.183	347.2	1.926	11.526	347.0	1.923	11.868	346.9	1.920	328.15
60	9.992	351.1	1.946	10.325	351.0	1.943	10.659	350.9	1.940	10.994	350.8	1.937	11.330	350.7	1.934	11.666	350.5	1.931	333.15
65	9.828	354.7	1.957	10.155	354.6	1.954	10.483	354.5	1.950	10.812	354.4	1.947	11.141	354.3	1.944	11.471	354.2	1.941	338.15
70	9.670	358.3	1.968	9.991	358.2	1.964	10.314	358.1	1.961	10.636	358.0	1.958	10.960	357.9	1.955	11.284	357.8	1.952	343.15
75	9.517	362.0	1.978	9.833	361.9	1.975	10.150	361.8	1.972	10.467	361.7	1.969	10.785	361.6	1.966	11.103	361.5	1.963	348.15
80	9.370	365.7	1.989	9.681	365.6	1.985	9.992	365.5	1.982	10.304	365.4	1.979	10.616	365.3	1.976	10.929	365.2	1.973	353.15
85	9.228	369.3	1.999	9.534	369.2	1.996	9.840	369.1	1.993	10.146	369.1	1.989	10.453	369.0	1.987	10.761	368.9	1.984	358.15
90	9.091	373.0	2.009	9.391	372.9	2.006	9.692	372.9	2.003	9.994	372.8	2.000	10.296	372.7	1.997	10.598	372.6	1.994	363.15
95	8.957	376.8	2.019	9.253	376.7	2.016	9.550	376.6	2.013	9.846	376.5	2.010	10.144	376.4	2.007	10.441	376.3	2.004	368.15
100	8.828	380.5	2.029	9.120	380.4	2.026	9.411	380.3	2.023	9.704	380.3	2.020	9.996	380.2	2.017	10.289	380.1	2.014	373.15
105	8.703	384.3	2.039	8.990	384.2	2.036	9.278	384.1	2.033	9.565	384.0	2.030	9.853	384.0	2.027	10.142	383.9	2.024	378.15
110	8.582	388.1	2.049	8.865	388.0	2.046	9.148	387.9	2.043	9.431	387.8	2.040	9.715	387.7	2.037	9.999	387.7	2.034	383.15
115	8.464	391.9	2.059	8.743	391.8	2.056	9.022	391.7	2.053	9.301	391.6	2.050	9.580	391.6	2.047	9.860	391.5	2.044	388.15
120	8.350	395.7	2.069	8.625	395.6	2.066	8.899	395.6	2.063	9.175	395.5	2.060	9.450	395.4	2.057	9.726	395.3	2.054	393.15
125	8.239	399.5	2.079	8.510	399.5	2.076	8.781	399.4	2.073	9.052	399.3	2.070	9.323	399.3	2.067	9.595	399.2	2.064	398.15
130	8.131	403.4	2.089	8.398	403.3	2.085	8.665	403.3	2.082	8.933	403.2	2.079	9.200	403.1	2.076	9.468	403.1	2.074	403.15
135	8.026	407.3	2.098	8.289	407.2	2.095	8.553	407.2	2.092	8.817	407.1	2.089	9.081	407.0	2.086	9.345	407.0	2.083	408.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	3.7			3.8			3.9			4			4.1			4.2			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-8	15.917	301.9	1.765	16.393	301.7	1.762													265.15
-6	15.753	303.3	1.770	16.223	303.1	1.767	16.695	302.9	1.764	17.170	302.6	1.761							267.15
-4	15.594	304.8	1.776	16.057	304.5	1.772	16.523	304.3	1.769	16.992	304.1	1.766	17.463	303.8	1.763	17.938	303.6	1.760	269.15
-2	15.439	306.2	1.781	15.896	306.0	1.778	16.356	305.7	1.775	16.818	305.5	1.771	17.283	305.3	1.768	17.751	305.1	1.766	271.15
0	15.288	307.6	1.786	15.739	307.4	1.783	16.193	307.2	1.780	16.650	307.0	1.777	17.109	306.7	1.774	17.570	306.5	1.771	273.15
2	15.140	309.0	1.791	15.586	308.8	1.788	16.035	308.6	1.785	16.485	308.4	1.782	16.938	308.2	1.779	17.394	308.0	1.776	275.15
4	14.997	310.5	1.796	15.438	310.2	1.793	15.880	310.0	1.790	16.325	309.8	1.787	16.773	309.6	1.784	17.222	309.4	1.781	277.15
6	14.857	311.9	1.801	15.292	311.7	1.798	15.730	311.5	1.795	16.170	311.3	1.792	16.611	311.1	1.789	17.055	310.9	1.787	279.15
8	14.720	313.3	1.807	15.151	313.1	1.803	15.583	312.9	1.800	16.017	312.7	1.797	16.454	312.5	1.795	16.892	312.3	1.792	281.15
10	14.587	314.7	1.812	15.012	314.5	1.808	15.440	314.3	1.805	15.869	314.1	1.803	16.300	313.9	1.800	16.734	313.7	1.797	283.15
12	14.456	316.1	1.817	14.877	315.9	1.813	15.300	315.8	1.811	15.724	315.6	1.808	16.151	315.4	1.805	16.579	315.2	1.802	285.15
14	14.329	317.5	1.821	14.745	317.4	1.818	15.163	317.2	1.815	15.583	317.0	1.813	16.005	316.8	1.810	16.428	316.6	1.807	287.15
16	14.204	319.0	1.826	14.616	318.8	1.823	15.030	318.6	1.820	15.445	318.4	1.818	15.862	318.2	1.815	16.280	318.1	1.812	289.15
18	14.083	320.4	1.831	14.490	320.2	1.828	14.899	320.0	1.825	15.310	319.9	1.822	15.722	319.7	1.820	16.136	319.5	1.817	291.15
20	13.963	321.8	1.836	14.367	321.6	1.833	14.771	321.5	1.830	15.178	321.3	1.827	15.586	321.1	1.825	15.995	320.9	1.822	293.15
25	13.676	325.3	1.848	14.069	325.2	1.845	14.464	325.0	1.842	14.860	324.9	1.839	15.257	324.7	1.837	15.656	324.5	1.834	298.15
30	13.403	328.9	1.860	13.787	328.7	1.857	14.172	328.6	1.854	14.558	328.4	1.851	14.946	328.3	1.849	15.335	328.1	1.846	303.15
35	13.143	332.5	1.872	13.518	332.3	1.869	13.894	332.2	1.866	14.271	332.0	1.863	14.650	331.9	1.860	15.030	331.7	1.858	308.15
40	12.894	336.0	1.883	13.261	335.9	1.880	13.629	335.7	1.877	13.998	335.6	1.875	14.368	335.5	1.872	14.739	335.3	1.869	313.15
45	12.657	339.6	1.894	13.016	339.5	1.892	13.376	339.3	1.889	13.737	339.2	1.886	14.099	339.1	1.883	14.462	338.9	1.881	318.15
50	12.430	343.2	1.906	12.782	343.1	1.903	13.134	342.9	1.900	13.487	342.8	1.897	13.842	342.7	1.895	14.197	342.6	1.892	323.15
55	12.212	346.8	1.917	12.557	346.7	1.914	12.902	346.6	1.911	13.248	346.4	1.908	13.595	346.3	1.906	13.943	346.2	1.903	328.15
60	12.003	350.4	1.928	12.341	350.3	1.925	12.680	350.2	1.922	13.019	350.1	1.919	13.359	350.0	1.917	13.700	349.9	1.914	333.15
65	11.802	354.1	1.939	12.134	354.0	1.936	12.466	353.8	1.933	12.799	353.7	1.930	13.132	353.6	1.928	13.467	353.5	1.925	338.15
70	11.609	357.7	1.949	11.934	357.6	1.946	12.260	357.5	1.944	12.587	357.4	1.941	12.914	357.3	1.938	13.242	357.2	1.936	343.15
75	11.422	361.4	1.960	11.742	361.3	1.957	12.062	361.2	1.954	12.383	361.1	1.952	12.704	361.0	1.949	13.026	360.9	1.947	348.15
80	11.243	365.1	1.970	11.557	365.0	1.968	11.871	364.9	1.965	12.186	364.8	1.962	12.502	364.7	1.960	12.818	364.6	1.957	353.15
85	11.069	368.8	1.981	11.378	368.7	1.978	11.687	368.6	1.975	11.997	368.5	1.973	12.307	368.4	1.970	12.618	368.3	1.968	358.15
90	10.901	372.5	1.991	11.205	372.4	1.988	11.509	372.3	1.986	11.814	372.2	1.983	12.119	372.1	1.981	12.424	372.0	1.978	363.15
95	10.739	376.2	2.001	11.038	376.2	1.999	11.337	376.1	1.996	11.637	376.0	1.993	11.937	375.9	1.991	12.237	375.8	1.988	368.15
100	10.583	380.0	2.012	10.876	379.9	2.009	11.171	379.8	2.006	11.465	379.8	2.004	11.760	379.7	2.001	12.056	379.6	1.999	373.15
105	10.431	383.8	2.022	10.720	383.7	2.019	11.010	383.6	2.016	11.300	383.5	2.014	11.590	383.5	2.011	11.881	383.4	2.009	378.15
110	10.283	387.6	2.032	10.568	387.5	2.029	10.853	387.4	2.026	11.139	387.4	2.024	11.425	387.3	2.021	11.711	387.2	2.019	383.15
115	10.141	391.4	2.041	10.421	391.3	2.039	10.702	391.3	2.036	10.983	391.2	2.034	11.265	391.1	2.031	11.547	391.0	2.029	388.15
120	10.002	395.3	2.051	10.278	395.2	2.049	10.555	395.1	2.046	10.832	395.0	2.043	11.110	395.0	2.041	11.388	394.9	2.038	393.15
125	9.867	399.1	2.061	10.140	399.1	2.058	10.413	399.0	2.056	10.686	398.9	2.053	10.959	398.8	2.051	11.233	398.8	2.048	398.15
130	9.737	403.0	2.071	10.005	402.9	2.068	10.274	402.9	2.065	10.543	402.8	2.063	10.813	402.7	2.060	11.083	402.7	2.058	403.15
135	9.610	406.9	2.080	9.875	406.8	2.078	10.140	406.8	2.075	10.405	406.7	2.073	10.671	406.6	2.070	10.937	406.6	2.068	408.15
140	9.486	410.8	2.090	9.747	410.8	2.087	10.009	410.7	2.085	10.271	410.6	2.082	10.533	410.6	2.080	10.795	410.5	2.077	413.15
145	9.366	414.8	2.099	9.624	414.7	2.097	9.882	414.7	2.094	10.140	414.6	2.092	10.398	414.5	2.089	10.657	414.5	2.087	418.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	4.3			4.4			4.5			4.6			4.7			4.8			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-4	18.414	303.4	1.757																269.15
-2	18.221	304.8	1.763	18.694	304.6	1.760	19.170	304.4	1.757	19.648	304.1	1.754							271.15
0	18.034	306.3	1.768	18.500	306.1	1.765	18.969	305.8	1.762	19.441	305.6	1.760	19.915	305.4	1.757	20.392	305.2	1.754	273.15
2	17.851	307.7	1.773	18.312	307.5	1.771	18.774	307.3	1.768	19.239	307.1	1.765	19.707	306.9	1.762	20.177	306.7	1.760	275.15
4	17.674	309.2	1.779	18.128	309.0	1.776	18.585	308.8	1.773	19.043	308.6	1.770	19.505	308.4	1.768	19.968	308.1	1.765	277.15
6	17.501	310.7	1.784	17.950	310.4	1.781	18.400	310.2	1.778	18.853	310.0	1.776	19.308	309.8	1.773	19.765	309.6	1.770	279.15
8	17.333	312.1	1.789	17.776	311.9	1.786	18.220	311.7	1.784	18.667	311.5	1.781	19.117	311.3	1.778	19.568	311.1	1.776	281.15
10	17.169	313.5	1.794	17.606	313.4	1.791	18.046	313.2	1.789	18.487	313.0	1.786	18.930	312.8	1.783	19.376	312.6	1.781	283.15
12	17.009	315.0	1.799	17.441	314.8	1.796	17.875	314.6	1.794	18.311	314.4	1.791	18.749	314.2	1.789	19.189	314.0	1.786	285.15
14	16.853	316.4	1.804	17.280	316.3	1.802	17.709	316.1	1.799	18.139	315.9	1.796	18.572	315.7	1.794	19.007	315.5	1.791	287.15
16	16.701	317.9	1.809	17.123	317.7	1.807	17.547	317.5	1.804	17.972	317.3	1.801	18.400	317.1	1.799	18.829	317.0	1.796	289.15
18	16.552	319.3	1.814	16.969	319.1	1.812	17.388	319.0	1.809	17.809	318.8	1.806	18.231	318.6	1.804	18.656	318.4	1.801	291.15
20	16.406	320.8	1.819	16.819	320.6	1.816	17.233	320.4	1.814	17.649	320.2	1.811	18.067	320.1	1.809	18.486	319.9	1.806	293.15
25	16.057	324.4	1.831	16.459	324.2	1.829	16.862	324.0	1.826	17.267	323.9	1.824	17.673	323.7	1.821	18.081	323.5	1.819	298.15
30	15.725	328.0	1.843	16.117	327.8	1.841	16.510	327.7	1.838	16.904	327.5	1.836	17.300	327.3	1.833	17.697	327.2	1.831	303.15
35	15.411	331.6	1.855	15.793	331.4	1.853	16.176	331.3	1.850	16.561	331.1	1.848	16.947	331.0	1.845	17.334	330.8	1.843	308.15
40	15.111	335.2	1.867	15.485	335.1	1.864	15.859	334.9	1.862	16.234	334.8	1.859	16.611	334.6	1.857	16.989	334.5	1.855	313.15
45	14.826	338.8	1.878	15.191	338.7	1.876	15.557	338.5	1.873	15.924	338.4	1.871	16.292	338.3	1.868	16.660	338.1	1.866	318.15
50	14.553	342.4	1.890	14.910	342.3	1.887	15.268	342.2	1.885	15.627	342.1	1.882	15.987	341.9	1.880	16.347	341.8	1.878	323.15
55	14.292	346.1	1.901	14.641	346.0	1.898	14.992	345.8	1.896	15.343	345.7	1.893	15.695	345.6	1.891	16.048	345.5	1.889	328.15
60	14.042	349.7	1.912	14.384	349.6	1.909	14.727	349.5	1.907	15.072	349.4	1.905	15.416	349.3	1.902	15.762	349.2	1.900	333.15
65	13.802	353.4	1.923	14.137	353.3	1.920	14.474	353.2	1.918	14.811	353.1	1.915	15.149	353.0	1.913	15.488	352.8	1.911	338.15
70	13.571	357.1	1.933	13.900	357.0	1.931	14.230	356.9	1.929	14.561	356.8	1.926	14.892	356.7	1.924	15.225	356.5	1.922	343.15
75	13.349	360.8	1.944	13.672	360.7	1.942	13.996	360.6	1.939	14.321	360.5	1.937	14.646	360.4	1.935	14.972	360.3	1.933	348.15
80	13.135	364.5	1.955	13.453	364.4	1.952	13.771	364.3	1.950	14.089	364.2	1.948	14.408	364.1	1.945	14.728	364.0	1.943	353.15
85	12.929	368.2	1.965	13.241	368.1	1.963	13.553	368.0	1.960	13.866	367.9	1.958	14.180	367.8	1.956	14.494	367.7	1.954	358.15
90	12.730	372.0	1.976	13.037	371.9	1.973	13.344	371.8	1.971	13.651	371.7	1.969	13.959	371.6	1.966	14.268	371.5	1.964	363.15
95	12.538	375.7	1.986	12.839	375.6	1.984	13.141	375.5	1.981	13.443	375.4	1.979	13.746	375.4	1.977	14.049	375.3	1.974	368.15
100	12.352	379.5	1.996	12.649	379.4	1.994	12.945	379.3	1.991	13.243	379.2	1.989	13.541	379.2	1.987	13.839	379.1	1.985	373.15
105	12.172	383.3	2.006	12.464	383.2	2.004	12.756	383.1	2.002	13.049	383.1	1.999	13.342	383.0	1.997	13.635	382.9	1.995	378.15
110	11.998	387.1	2.016	12.285	387.0	2.014	12.573	387.0	2.012	12.861	386.9	2.009	13.149	386.8	2.007	13.438	386.7	2.005	383.15
115	11.829	391.0	2.026	12.112	390.9	2.024	12.395	390.8	2.022	12.679	390.7	2.019	12.963	390.7	2.017	13.247	390.6	2.015	388.15
120	11.666	394.8	2.036	11.944	394.7	2.034	12.223	394.7	2.031	12.502	394.6	2.029	12.782	394.5	2.027	13.062	394.4	2.025	393.15
125	11.507	398.7	2.046	11.781	398.6	2.044	12.056	398.6	2.041	12.331	398.5	2.039	12.607	398.4	2.037	12.882	398.3	2.035	398.15
130	11.353	402.6	2.056	11.623	402.5	2.053	11.894	402.5	2.051	12.165	402.4	2.049	12.436	402.3	2.047	12.708	402.2	2.044	403.15
135	11.203	406.5	2.065	11.470	406.4	2.063	11.737	406.4	2.061	12.004	406.3	2.058	12.271	406.2	2.056	12.539	406.2	2.054	408.15
140	11.058	410.4	2.075	11.321	410.4	2.073	11.584	410.3	2.070	11.847	410.2	2.068	12.111	410.2	2.066	12.375	410.1	2.064	413.15
145	10.916	414.4	2.084	11.175	414.3	2.082	11.435	414.3	2.080	11.695	414.2	2.078	11.955	414.1	2.075	12.215	414.1	2.073	418.15
150	10.778	418.4	2.094	11.034	418.3	2.092	11.290	418.3	2.089	11.546	418.2	2.087	11.803	418.1	2.085	12.060	418.1	2.083	423.15
155	10.644	422.4	2.103	10.897	422.3	2.101	11.149	422.3	2.099	11.402	422.2	2.096	11.655	422.1	2.094	11.909	422.1	2.092	428.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	4.9			5			5.1			5.2			5.3			5.4			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
0	20.872	304.9	1.752																273.15
2	20.650	306.4	1.757	21.125	306.2	1.755	21.603	306.0	1.752	22.084	305.8	1.750	22.568	305.5	1.747				275.15
4	20.434	307.9	1.763	20.903	307.7	1.760	21.374	307.5	1.758	21.848	307.3	1.755	22.324	307.1	1.753	22.803	306.8	1.750	277.15
6	20.225	309.4	1.768	20.687	309.2	1.765	21.151	309.0	1.763	21.618	308.8	1.760	22.088	308.6	1.758	22.560	308.3	1.756	279.15
8	20.021	310.9	1.773	20.477	310.7	1.771	20.935	310.5	1.768	21.396	310.3	1.766	21.859	310.1	1.763	22.324	309.9	1.761	281.15
10	19.823	312.4	1.778	20.273	312.2	1.776	20.725	312.0	1.774	21.179	311.8	1.771	21.636	311.6	1.769	22.095	311.4	1.766	283.15
12	19.631	313.8	1.784	20.075	313.6	1.781	20.521	313.4	1.779	20.969	313.3	1.776	21.419	313.1	1.774	21.872	312.9	1.772	285.15
14	19.443	315.3	1.789	19.881	315.1	1.786	20.322	314.9	1.784	20.764	314.7	1.782	21.209	314.5	1.779	21.655	314.4	1.777	287.15
16	19.260	316.8	1.794	19.693	316.6	1.791	20.128	316.4	1.789	20.565	316.2	1.787	21.003	316.0	1.784	21.444	315.8	1.782	289.15
18	19.082	318.2	1.799	19.509	318.1	1.797	19.939	317.9	1.794	20.370	317.7	1.792	20.804	317.5	1.790	21.239	317.3	1.787	291.15
20	18.907	319.7	1.804	19.330	319.5	1.802	19.755	319.4	1.799	20.181	319.2	1.797	20.609	319.0	1.795	21.039	318.8	1.792	293.15
25	18.490	323.4	1.816	18.901	323.2	1.814	19.313	323.0	1.812	19.727	322.9	1.809	20.143	322.7	1.807	20.560	322.5	1.805	298.15
30	18.096	327.0	1.828	18.495	326.9	1.826	18.897	326.7	1.824	19.299	326.6	1.822	19.703	326.4	1.819	20.109	326.2	1.817	303.15
35	17.722	330.7	1.840	18.112	330.5	1.838	18.503	330.4	1.836	18.895	330.2	1.834	19.288	330.1	1.831	19.683	329.9	1.829	308.15
40	17.368	334.3	1.852	17.748	334.2	1.850	18.129	334.1	1.848	18.511	333.9	1.846	18.895	333.8	1.843	19.280	333.6	1.841	313.15
45	17.031	338.0	1.864	17.402	337.9	1.862	17.774	337.7	1.859	18.147	337.6	1.857	18.521	337.5	1.855	18.897	337.3	1.853	318.15
50	16.709	341.7	1.875	17.072	341.5	1.873	17.435	341.4	1.871	17.800	341.3	1.869	18.166	341.2	1.867	18.532	341.0	1.864	323.15
55	16.402	345.4	1.887	16.757	345.2	1.884	17.113	345.1	1.882	17.469	345.0	1.880	17.827	344.9	1.878	18.185	344.7	1.876	328.15
60	16.109	349.0	1.898	16.456	348.9	1.895	16.804	348.8	1.893	17.153	348.7	1.891	17.503	348.6	1.889	17.853	348.4	1.887	333.15
65	15.827	352.7	1.909	16.167	352.6	1.907	16.508	352.5	1.904	16.850	352.4	1.902	17.192	352.3	1.900	17.536	352.2	1.898	338.15
70	15.557	356.4	1.920	15.891	356.3	1.917	16.225	356.2	1.915	16.560	356.1	1.913	16.895	356.0	1.911	17.232	355.9	1.909	343.15
75	15.298	360.2	1.930	15.625	360.1	1.928	15.953	360.0	1.926	16.281	359.9	1.924	16.610	359.7	1.922	16.940	359.6	1.920	348.15
80	15.049	363.9	1.941	15.369	363.8	1.939	15.691	363.7	1.937	16.013	363.6	1.935	16.336	363.5	1.933	16.659	363.4	1.931	353.15
85	14.808	367.6	1.952	15.123	367.6	1.949	15.439	367.5	1.947	15.755	367.4	1.945	16.072	367.3	1.943	16.390	367.2	1.941	358.15
90	14.577	371.4	1.962	14.886	371.3	1.960	15.196	371.2	1.958	15.507	371.1	1.956	15.818	371.0	1.954	16.130	371.0	1.952	363.15
95	14.353	375.2	1.972	14.657	375.1	1.970	14.962	375.0	1.968	15.267	374.9	1.966	15.573	374.8	1.964	15.879	374.8	1.962	368.15
100	14.137	379.0	1.983	14.436	378.9	1.980	14.736	378.8	1.978	15.036	378.7	1.976	15.337	378.7	1.974	15.637	378.6	1.972	373.15
105	13.929	382.8	1.993	14.223	382.7	1.991	14.518	382.6	1.989	14.813	382.6	1.987	15.108	382.5	1.985	15.404	382.4	1.983	378.15
110	13.727	386.6	2.003	14.016	386.6	2.001	14.306	386.5	1.999	14.596	386.4	1.997	14.887	386.3	1.995	15.178	386.2	1.993	383.15
115	13.531	390.5	2.013	13.816	390.4	2.011	14.102	390.3	2.009	14.387	390.3	2.007	14.673	390.2	2.005	14.960	390.1	2.003	388.15
120	13.342	394.4	2.023	13.622	394.3	2.021	13.903	394.2	2.019	14.185	394.1	2.017	14.466	394.1	2.015	14.748	394.0	2.013	393.15
125	13.158	398.3	2.033	13.435	398.2	2.030	13.711	398.1	2.028	13.988	398.0	2.026	14.265	398.0	2.024	14.543	397.9	2.023	398.15
130	12.980	402.2	2.042	13.252	402.1	2.040	13.525	402.0	2.038	13.798	402.0	2.036	14.071	401.9	2.034	14.344	401.8	2.032	403.15
135	12.807	406.1	2.052	13.075	406.0	2.050	13.344	406.0	2.048	13.613	405.9	2.046	13.882	405.8	2.044	14.151	405.8	2.042	408.15
140	12.639	410.1	2.062	12.903	410.0	2.060	13.168	409.9	2.058	13.433	409.9	2.056	13.698	409.8	2.054	13.964	409.7	2.052	413.15
145	12.476	414.0	2.071	12.736	414.0	2.069	12.997	413.9	2.067	13.259	413.8	2.065	13.520	413.8	2.063	13.782	413.7	2.061	418.15
150	12.317	418.0	2.081	12.574	417.9	2.079	12.831	417.9	2.077	13.089	417.8	2.075	13.347	417.8	2.073	13.605	417.7	2.071	423.15
155	12.162	422.0	2.090	12.416	422.0	2.088	12.670	421.9	2.086	12.924	421.8	2.084	13.178	421.8	2.082	13.433	421.7	2.080	428.15
160	12.012	426.0	2.099	12.262	426.0	2.097	12.513	425.9	2.095	12.763	425.9	2.093	13.014	425.8	2.091	13.266	425.7	2.090	433.15
165	11.865	430.1	2.109	12.112	430.0	2.107	12.359	430.0	2.105	12.607	429.9	2.103	12.855	429.9	2.101	13.103	429.8	2.099	438.15



**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	5.5			5.6			5.7			5.8			5.9			6			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
4	23.285	306.6	1.748	23.769	306.4	1.746													277.15
6	23.034	308.1	1.753	23.511	307.9	1.751	23.991	307.7	1.749	24.474	307.5	1.747	24.959	307.3	1.744	25.446	307.1	1.742	279.15
8	22.791	309.6	1.759	23.261	309.4	1.756	23.734	309.2	1.754	24.209	309.0	1.752	24.687	308.8	1.750	25.167	308.6	1.748	281.15
10	22.556	311.2	1.764	23.019	311.0	1.762	23.485	310.7	1.760	23.953	310.5	1.757	24.423	310.3	1.755	24.896	310.1	1.753	283.15
12	22.326	312.7	1.769	22.783	312.5	1.767	23.242	312.3	1.765	23.704	312.1	1.763	24.168	311.9	1.761	24.634	311.7	1.758	285.15
14	22.104	314.2	1.775	22.554	314.0	1.772	23.007	313.8	1.770	23.462	313.6	1.768	23.919	313.4	1.766	24.379	313.2	1.764	287.15
16	21.887	315.7	1.780	22.332	315.5	1.778	22.778	315.3	1.775	23.227	315.1	1.773	23.678	314.9	1.771	24.131	314.7	1.769	289.15
18	21.676	317.2	1.785	22.115	317.0	1.783	22.556	316.8	1.781	22.999	316.6	1.779	23.444	316.4	1.776	23.891	316.2	1.774	291.15
20	21.470	318.6	1.790	21.904	318.5	1.788	22.339	318.3	1.786	22.776	318.1	1.784	23.215	317.9	1.782	23.656	317.7	1.779	293.15
25	20.979	322.4	1.803	21.399	322.2	1.801	21.821	322.0	1.798	22.245	321.9	1.796	22.670	321.7	1.794	23.098	321.5	1.792	298.15
30	20.516	326.1	1.815	20.924	325.9	1.813	21.334	325.8	1.811	21.746	325.6	1.809	22.159	325.4	1.807	22.573	325.3	1.805	303.15
35	20.079	329.8	1.827	20.476	329.6	1.825	20.875	329.5	1.823	21.275	329.3	1.821	21.677	329.2	1.819	22.079	329.0	1.817	308.15
40	19.665	333.5	1.839	20.053	333.3	1.837	20.441	333.2	1.835	20.830	333.1	1.833	21.221	332.9	1.831	21.613	332.8	1.829	313.15
45	19.273	337.2	1.851	19.651	337.1	1.849	20.029	336.9	1.847	20.409	336.8	1.845	20.790	336.6	1.843	21.172	336.5	1.841	318.15
50	18.900	340.9	1.862	19.268	340.8	1.860	19.638	340.6	1.858	20.009	340.5	1.856	20.380	340.4	1.854	20.753	340.2	1.853	323.15
55	18.544	344.6	1.874	18.904	344.5	1.872	19.265	344.4	1.870	19.627	344.2	1.868	19.990	344.1	1.866	20.354	344.0	1.864	328.15
60	18.204	348.3	1.885	18.557	348.2	1.883	18.910	348.1	1.881	19.264	348.0	1.879	19.618	347.9	1.877	19.974	347.7	1.875	333.15
65	17.880	352.1	1.896	18.224	351.9	1.894	18.570	351.8	1.892	18.916	351.7	1.890	19.263	351.6	1.888	19.611	351.5	1.887	338.15
70	17.568	355.8	1.907	17.906	355.7	1.905	18.245	355.6	1.903	18.584	355.5	1.901	18.924	355.4	1.899	19.264	355.3	1.898	343.15
75	17.270	359.5	1.918	17.601	359.4	1.916	17.933	359.3	1.914	18.265	359.2	1.912	18.598	359.1	1.910	18.931	359.0	1.909	348.15
80	16.983	363.3	1.929	17.308	363.2	1.927	17.633	363.1	1.925	17.959	363.0	1.923	18.285	362.9	1.921	18.612	362.8	1.919	353.15
85	16.707	367.1	1.939	17.026	367.0	1.937	17.345	366.9	1.935	17.665	366.8	1.934	17.985	366.7	1.932	18.306	366.6	1.930	358.15
90	16.442	370.9	1.950	16.755	370.8	1.948	17.068	370.7	1.946	17.382	370.6	1.944	17.696	370.5	1.942	18.011	370.4	1.941	363.15
95	16.186	374.7	1.960	16.493	374.6	1.958	16.801	374.5	1.956	17.109	374.4	1.955	17.417	374.3	1.953	17.727	374.2	1.951	368.15
100	15.939	378.5	1.971	16.241	378.4	1.969	16.543	378.3	1.967	16.846	378.2	1.965	17.149	378.1	1.963	17.453	378.1	1.961	373.15
105	15.700	382.3	1.981	15.997	382.2	1.979	16.294	382.2	1.977	16.592	382.1	1.975	16.890	382.0	1.973	17.188	381.9	1.972	378.15
110	15.470	386.2	1.991	15.761	386.1	1.989	16.054	386.0	1.987	16.346	385.9	1.985	16.639	385.8	1.983	16.933	385.8	1.982	383.15
115	15.246	390.0	2.001	15.534	390.0	1.999	15.821	389.9	1.997	16.109	389.8	1.995	16.397	389.7	1.994	16.686	389.7	1.992	388.15
120	15.030	393.9	2.011	15.313	393.9	2.009	15.596	393.8	2.007	15.879	393.7	2.005	16.163	393.6	2.004	16.447	393.5	2.002	393.15
125	14.821	397.8	2.021	15.099	397.8	2.019	15.378	397.7	2.017	15.657	397.6	2.015	15.936	397.5	2.013	16.216	397.5	2.012	398.15
130	14.618	401.8	2.030	14.892	401.7	2.029	15.167	401.6	2.027	15.441	401.5	2.025	15.716	401.5	2.023	15.992	401.4	2.021	403.15
135	14.421	405.7	2.040	14.691	405.6	2.038	14.961	405.6	2.037	15.232	405.5	2.035	15.503	405.4	2.033	15.774	405.4	2.031	408.15
140	14.230	409.7	2.050	14.496	409.6	2.048	14.762	409.5	2.046	15.029	409.5	2.044	15.296	409.4	2.043	15.563	409.3	2.041	413.15
145	14.044	413.6	2.059	14.306	413.6	2.058	14.569	413.5	2.056	14.832	413.4	2.054	15.095	413.4	2.052	15.358	413.3	2.050	418.15
150	13.864	417.6	2.069	14.122	417.6	2.067	14.381	417.5	2.065	14.640	417.4	2.063	14.900	417.4	2.062	15.159	417.3	2.060	423.15
155	13.688	421.7	2.078	13.943	421.6	2.077	14.198	421.5	2.075	14.454	421.5	2.073	14.710	421.4	2.071	14.966	421.3	2.069	428.15
160	13.517	425.7	2.088	13.769	425.6	2.086	14.021	425.6	2.084	14.273	425.5	2.082	14.525	425.4	2.081	14.778	425.4	2.079	433.15
165	13.351	429.7	2.097	13.599	429.7	2.095	13.848	429.6	2.093	14.096	429.6	2.092	14.345	429.5	2.090	14.594	429.5	2.088	438.15
170	13.189	433.8	2.106	13.434	433.8	2.104	13.679	433.7	2.103	13.925	433.6	2.101	14.170	433.6	2.099	14.416	433.5	2.097	443.15
175	13.031	437.9	2.115	13.273	437.9	2.114	13.515	437.8	2.112	13.757	437.7	2.110	14.000	437.7	2.108	14.242	437.6	2.107	448.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	6.5			7			7.5			8			8.5			9			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
10	27.300	309.1	1.743																283.15
12	27.000	310.6	1.748	29.431	309.6	1.738													285.15
14	26.710	312.2	1.754	29.102	311.2	1.744	31.559	310.2	1.734										287.15
16	26.429	313.7	1.759	28.784	312.8	1.749	31.200	311.8	1.740	33.683	310.7	1.731							289.15
18	26.156	315.3	1.764	28.476	314.3	1.755	30.854	313.3	1.745	33.294	312.4	1.737	35.801	311.3	1.728				291.15
20	25.891	316.8	1.769	28.177	315.9	1.760	30.518	314.9	1.751	32.918	314.0	1.742	35.381	313.0	1.734	37.912	312.0	1.726	293.15
25	25.260	320.7	1.782	27.467	319.8	1.773	29.724	318.9	1.764	32.031	318.0	1.756	34.393	317.0	1.748	36.814	316.1	1.740	298.15
30	24.669	324.5	1.795	26.806	323.6	1.786	28.985	322.8	1.777	31.210	321.9	1.769	33.483	321.1	1.761	35.806	320.2	1.753	303.15
35	24.115	328.3	1.807	26.186	327.5	1.798	28.296	326.7	1.790	30.446	325.9	1.782	32.639	325.1	1.774	34.876	324.2	1.767	308.15
40	23.592	332.0	1.820	25.604	331.3	1.811	27.651	330.5	1.802	29.733	329.8	1.794	31.853	329.0	1.787	34.012	328.2	1.779	313.15
45	23.099	335.8	1.832	25.056	335.1	1.823	27.044	334.4	1.815	29.064	333.7	1.807	31.117	333.0	1.799	33.206	332.2	1.792	318.15
50	22.632	339.6	1.843	24.538	338.9	1.835	26.471	338.2	1.827	28.434	337.6	1.819	30.427	336.9	1.811	32.451	336.2	1.804	323.15
55	22.188	343.4	1.855	24.046	342.7	1.846	25.930	342.1	1.838	27.840	341.4	1.831	29.777	340.8	1.823	31.742	340.1	1.816	328.15
60	21.766	347.1	1.866	23.579	346.5	1.858	25.416	345.9	1.850	27.277	345.3	1.842	29.162	344.7	1.835	31.073	344.1	1.828	333.15
65	21.363	350.9	1.878	23.135	350.3	1.869	24.928	349.8	1.861	26.743	349.2	1.854	28.580	348.6	1.847	30.441	348.0	1.840	338.15
70	20.978	354.7	1.889	22.711	354.1	1.880	24.463	353.6	1.873	26.235	353.0	1.865	28.028	352.5	1.858	29.841	351.9	1.852	343.15
75	20.610	358.5	1.900	22.306	358.0	1.892	24.019	357.4	1.884	25.751	356.9	1.876	27.502	356.4	1.870	29.272	355.8	1.863	348.15
80	20.257	362.3	1.911	21.918	361.8	1.902	23.595	361.3	1.895	25.289	360.8	1.888	27.000	360.2	1.881	28.729	359.7	1.874	353.15
85	19.918	366.1	1.921	21.546	365.6	1.913	23.188	365.1	1.906	24.847	364.6	1.898	26.521	364.1	1.892	28.211	363.6	1.885	358.15
90	19.593	369.9	1.932	21.189	369.5	1.924	22.799	369.0	1.916	24.423	368.5	1.909	26.062	368.0	1.902	27.716	367.6	1.896	363.15
95	19.280	373.8	1.942	20.846	373.3	1.934	22.425	372.9	1.927	24.017	372.4	1.920	25.623	371.9	1.913	27.242	371.5	1.907	368.15
100	18.978	377.6	1.953	20.515	377.2	1.945	22.065	376.7	1.937	23.626	376.3	1.930	25.201	375.9	1.924	26.788	375.4	1.917	373.15
105	18.687	381.5	1.963	20.197	381.1	1.955	21.718	380.6	1.948	23.251	380.2	1.941	24.795	379.8	1.934	26.351	379.4	1.928	378.15
110	18.406	385.4	1.973	19.890	385.0	1.965	21.384	384.6	1.958	22.889	384.1	1.951	24.405	383.7	1.944	25.932	383.3	1.938	383.15
115	18.135	389.3	1.983	19.594	388.9	1.976	21.062	388.5	1.968	22.541	388.1	1.961	24.029	387.7	1.955	25.528	387.3	1.948	388.15
120	17.873	393.2	1.993	19.307	392.8	1.986	20.751	392.4	1.978	22.204	392.0	1.971	23.667	391.6	1.965	25.139	391.3	1.959	393.15
125	17.619	397.1	2.003	19.030	396.7	1.996	20.450	396.4	1.988	21.879	396.0	1.981	23.317	395.6	1.975	24.763	395.2	1.969	398.15
130	17.373	401.0	2.013	18.762	400.7	2.005	20.159	400.3	1.998	21.565	400.0	1.991	22.978	399.6	1.985	24.400	399.2	1.979	403.15
135	17.135	405.0	2.023	18.502	404.7	2.015	19.878	404.3	2.008	21.261	404.0	2.001	22.651	403.6	1.995	24.050	403.3	1.989	408.15
140	16.903	409.0	2.033	18.251	408.7	2.025	19.605	408.3	2.018	20.966	408.0	2.011	22.335	407.6	2.005	23.711	407.3	1.998	413.15
145	16.679	413.0	2.042	18.006	412.7	2.035	19.340	412.3	2.027	20.681	412.0	2.021	22.028	411.7	2.014	23.382	411.3	2.008	418.15
150	16.461	417.0	2.052	17.769	416.7	2.044	19.083	416.4	2.037	20.404	416.0	2.030	21.731	415.7	2.024	23.064	415.4	2.018	423.15
155	16.249	421.0	2.061	17.539	420.7	2.054	18.834	420.4	2.046	20.135	420.1	2.040	21.442	419.8	2.033	22.756	419.5	2.027	428.15
160	16.044	425.1	2.071	17.315	424.8	2.063	18.592	424.5	2.056	19.874	424.2	2.049	21.163	423.9	2.043	22.456	423.6	2.037	433.15
165	15.843	429.2	2.080	17.097	428.9	2.072	18.357	428.6	2.065	19.621	428.3	2.059	20.891	428.0	2.052	22.166	427.7	2.046	438.15
170	15.648	433.3	2.089	16.886	433.0	2.082	18.128	432.7	2.075	19.375	432.4	2.068	20.626	432.1	2.062	21.883	431.8	2.056	443.15
175	15.459	437.4	2.099	16.679	437.1	2.091	17.905	436.8	2.084	19.135	436.5	2.077	20.370	436.2	2.071	21.609	436.0	2.065	448.15
180	15.274	441.5	2.108	16.479	441.2	2.100	17.688	440.9	2.093	18.902	440.7	2.086	20.120	440.4	2.080	21.342	440.1	2.074	453.15
185	15.094	445.6	2.117	16.283	445.4	2.109	17.477	445.1	2.102	18.674	444.8	2.096	19.876	444.6	2.089	21.082	444.3	2.083	458.15
190	14.918	449.8	2.126	16.092	449.5	2.118	17.271	449.3	2.111	18.453	449.0	2.105	19.639	448.8	2.098	20.829	448.5	2.093	463.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	9.5			10			10.5			11			11.5			12			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
22	40.015	312.6	1.724																295.15
25	39.297	315.1	1.732	41.848	314.2	1.725													298.15
30	38.184	319.3	1.746	40.619	318.4	1.739	43.116	317.4	1.732	45.680	316.5	1.725	48.315	315.5	1.718				303.15
35	37.160	323.4	1.759	39.494	322.5	1.752	41.881	321.7	1.745	44.325	320.8	1.739	46.830	319.9	1.732	49.399	318.9	1.726	308.15
40	36.212	327.4	1.772	38.457	326.6	1.766	40.748	325.8	1.759	43.087	325.0	1.752	45.479	324.1	1.746	47.925	323.3	1.740	313.15
45	35.331	331.5	1.785	37.496	330.7	1.778	39.700	329.9	1.772	41.947	329.2	1.766	44.240	328.4	1.759	46.580	327.6	1.753	318.15
50	34.509	335.5	1.798	36.600	334.8	1.791	38.727	334.0	1.785	40.892	333.3	1.778	43.097	332.5	1.772	45.342	331.8	1.767	323.15
55	33.737	339.5	1.810	35.762	338.8	1.803	37.820	338.1	1.797	39.911	337.4	1.791	42.036	336.7	1.785	44.198	336.0	1.779	328.15
60	33.011	343.4	1.822	34.976	342.8	1.815	36.970	342.1	1.809	38.993	341.5	1.803	41.047	340.8	1.798	43.133	340.1	1.792	333.15
65	32.326	347.4	1.834	34.235	346.8	1.827	36.170	346.1	1.821	38.132	345.5	1.815	40.121	344.9	1.810	42.139	344.2	1.804	338.15
70	31.677	351.3	1.845	33.535	350.7	1.839	35.416	350.1	1.833	37.322	349.5	1.827	39.252	348.9	1.822	41.207	348.3	1.816	343.15
75	31.061	355.2	1.857	32.872	354.7	1.850	34.703	354.1	1.845	36.556	353.6	1.839	38.432	353.0	1.833	40.330	352.4	1.828	348.15
80	30.476	359.2	1.868	32.242	358.7	1.862	34.027	358.1	1.856	35.832	357.6	1.850	37.657	357.0	1.845	39.502	356.5	1.840	353.15
85	29.918	363.1	1.879	31.642	362.6	1.873	33.384	362.1	1.867	35.144	361.6	1.862	36.922	361.1	1.856	38.719	360.5	1.851	358.15
90	29.386	367.1	1.890	31.071	366.6	1.884	32.772	366.1	1.878	34.489	365.6	1.873	36.224	365.1	1.867	37.975	364.6	1.862	363.15
95	28.876	371.0	1.901	30.524	370.5	1.895	32.187	370.1	1.889	33.865	369.6	1.884	35.559	369.1	1.878	37.268	368.6	1.873	368.15
100	28.388	375.0	1.911	30.001	374.5	1.905	31.628	374.1	1.900	33.269	373.6	1.894	34.924	373.1	1.889	36.594	372.7	1.884	373.15
105	27.920	378.9	1.922	29.500	378.5	1.916	31.093	378.0	1.910	32.699	377.6	1.905	34.318	377.2	1.900	35.950	376.7	1.895	378.15
110	27.470	382.9	1.932	29.019	382.5	1.926	30.580	382.0	1.921	32.153	381.6	1.916	33.738	381.2	1.911	35.335	380.8	1.906	383.15
115	27.037	386.9	1.943	28.557	386.5	1.937	30.087	386.1	1.931	31.629	385.6	1.926	33.181	385.2	1.921	34.745	384.8	1.916	388.15
120	26.620	390.9	1.953	28.112	390.5	1.947	29.613	390.1	1.942	31.125	389.7	1.936	32.647	389.3	1.931	34.179	388.9	1.927	393.15
125	26.218	394.9	1.963	27.683	394.5	1.957	29.157	394.1	1.952	30.640	393.7	1.947	32.133	393.3	1.942	33.635	392.9	1.937	398.15
130	25.831	398.9	1.973	27.269	398.5	1.967	28.717	398.1	1.962	30.173	397.8	1.957	31.638	397.4	1.952	33.112	397.0	1.947	403.15
135	25.456	402.9	1.983	26.870	402.6	1.977	28.292	402.2	1.972	29.723	401.8	1.967	31.162	401.5	1.962	32.609	401.1	1.957	408.15
140	25.094	407.0	1.993	26.484	406.6	1.987	27.883	406.3	1.982	29.288	405.9	1.977	30.702	405.6	1.972	32.123	405.2	1.967	413.15
145	24.743	411.0	2.002	26.111	410.7	1.997	27.486	410.3	1.992	28.868	410.0	1.987	30.258	409.7	1.982	31.654	409.3	1.977	418.15
150	24.404	415.1	2.012	25.750	414.8	2.007	27.103	414.4	2.001	28.462	414.1	1.996	29.828	413.8	1.991	31.201	413.4	1.987	423.15
155	24.075	419.2	2.022	25.400	418.8	2.016	26.732	418.5	2.011	28.069	418.2	2.006	29.413	417.9	2.001	30.763	417.6	1.997	428.15
160	23.756	423.3	2.031	25.061	423.0	2.026	26.372	422.7	2.021	27.688	422.3	2.016	29.011	422.0	2.011	30.339	421.7	2.006	433.15
165	23.446	427.4	2.041	24.732	427.1	2.035	26.023	426.8	2.030	27.319	426.5	2.025	28.621	426.2	2.020	29.929	425.9	2.016	438.15
170	23.145	431.5	2.050	24.412	431.2	2.045	25.684	430.9	2.039	26.961	430.6	2.035	28.244	430.3	2.030	29.531	430.0	2.025	443.15
175	22.853	435.7	2.059	24.102	435.4	2.054	25.356	435.1	2.049	26.614	434.8	2.044	27.877	434.5	2.039	29.145	434.2	2.035	448.15
180	22.569	439.8	2.069	23.800	439.6	2.063	25.036	439.3	2.058	26.277	439.0	2.053	27.521	438.7	2.048	28.771	438.4	2.044	453.15
185	22.293	444.0	2.078	23.507	443.8	2.072	24.726	443.5	2.067	25.949	443.2	2.062	27.176	442.9	2.058	28.407	442.7	2.053	458.15
190	22.024	448.2	2.087	23.222	448.0	2.082	24.424	447.7	2.076	25.630	447.4	2.072	26.840	447.2	2.067	28.054	446.9	2.062	463.15
195	21.762	452.4	2.096	22.944	452.2	2.091	24.130	451.9	2.086	25.319	451.7	2.081	26.513	451.4	2.076	27.710	451.1	2.071	468.15
200	21.506	456.7	2.105	22.673	456.4	2.100	23.843	456.2	2.095	25.017	455.9	2.090	26.195	455.7	2.085	27.375	455.4	2.081	473.15
205	21.258	460.9	2.114	22.409	460.7	2.109	23.565	460.4	2.104	24.723	460.2	2.099	25.885	459.9	2.094	27.050	459.7	2.090	478.15
210	21.015	465.2	2.123	22.152	465.0	2.117	23.293	464.7	2.112	24.436	464.5	2.108	25.583	464.2	2.103	26.733	464.0	2.098	483.15
215	20.778	469.5	2.132	21.902	469.3	2.126	23.028	469.0	2.121	24.157	468.8	2.116	25.289	468.5	2.112	26.424	468.3	2.107	488.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	12.5			13			13.5			14			14.5			15			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
32	53.086	315.3	1.711																305.15
35	52.039	318.0	1.720	54.754	317.0	1.713	57.550	316.0	1.707										308.15
40	50.431	322.4	1.734	53.000	321.5	1.728	55.636	320.6	1.722	58.345	319.6	1.716	61.133	318.7	1.710	64.007	317.7	1.705	313.15
45	48.970	326.7	1.748	51.414	325.9	1.742	53.914	325.0	1.736	56.475	324.2	1.731	59.102	323.3	1.725	61.798	322.4	1.720	318.15
50	47.632	331.0	1.761	49.967	330.2	1.755	52.350	329.4	1.750	54.785	328.6	1.744	57.275	327.8	1.739	59.823	326.9	1.734	323.15
55	46.398	335.2	1.774	48.637	334.5	1.768	50.919	333.8	1.763	53.244	333.0	1.758	55.617	332.2	1.753	58.038	331.4	1.748	328.15
60	45.253	339.4	1.787	47.408	338.7	1.781	49.599	338.0	1.776	51.829	337.3	1.771	54.099	336.6	1.766	56.410	335.8	1.761	333.15
65	44.187	343.6	1.799	46.266	342.9	1.794	48.377	342.3	1.789	50.521	341.6	1.784	52.700	340.9	1.779	54.916	340.2	1.774	338.15
70	43.190	347.7	1.811	45.199	347.1	1.806	47.237	346.5	1.801	49.305	345.8	1.796	51.404	345.2	1.791	53.534	344.5	1.787	343.15
75	42.253	351.8	1.823	44.200	351.2	1.818	46.172	350.6	1.813	48.171	350.0	1.808	50.196	349.4	1.804	52.250	348.8	1.799	348.15
80	41.370	355.9	1.835	43.259	355.3	1.830	45.171	354.8	1.825	47.107	354.2	1.820	49.067	353.6	1.816	51.052	353.0	1.811	353.15
85	40.535	360.0	1.846	42.372	359.5	1.841	44.229	358.9	1.836	46.107	358.4	1.832	48.007	357.8	1.827	49.929	357.2	1.823	358.15
90	39.744	364.1	1.857	41.532	363.5	1.853	43.338	363.0	1.848	45.163	362.5	1.843	47.008	362.0	1.839	48.872	361.4	1.835	363.15
95	38.993	368.1	1.869	40.735	367.6	1.864	42.494	367.1	1.859	44.270	366.6	1.855	46.064	366.1	1.850	47.876	365.6	1.846	368.15
100	38.278	372.2	1.879	39.978	371.7	1.875	41.692	371.2	1.870	43.423	370.8	1.866	45.169	370.3	1.861	46.932	369.8	1.857	373.15
105	37.596	376.3	1.890	39.256	375.8	1.886	40.929	375.3	1.881	42.617	374.9	1.877	44.320	374.4	1.872	46.037	374.0	1.868	378.15
110	36.944	380.3	1.901	38.566	379.9	1.896	40.201	379.4	1.892	41.850	379.0	1.888	43.511	378.6	1.883	45.186	378.1	1.879	383.15
115	36.320	384.4	1.912	37.907	384.0	1.907	39.506	383.6	1.903	41.117	383.1	1.898	42.740	382.7	1.894	44.376	382.3	1.890	388.15
120	35.722	388.5	1.922	37.276	388.1	1.917	38.840	387.7	1.913	40.416	387.2	1.909	42.003	386.8	1.905	43.601	386.4	1.901	393.15
125	35.148	392.6	1.932	36.670	392.2	1.928	38.202	391.8	1.923	39.745	391.4	1.919	41.298	391.0	1.915	42.861	390.6	1.911	398.15
130	34.595	396.6	1.942	36.088	396.3	1.938	37.589	395.9	1.934	39.101	395.5	1.930	40.621	395.1	1.925	42.152	394.7	1.921	403.15
135	34.064	400.7	1.953	35.528	400.4	1.948	37.001	400.0	1.944	38.482	399.6	1.940	39.972	399.3	1.936	41.471	398.9	1.932	408.15
140	33.552	404.9	1.963	34.989	404.5	1.958	36.434	404.1	1.954	37.887	403.8	1.950	39.348	403.4	1.946	40.818	403.1	1.942	413.15
145	33.058	409.0	1.973	34.469	408.6	1.968	35.888	408.3	1.964	37.314	407.9	1.960	38.748	407.6	1.956	40.189	407.2	1.952	418.15
150	32.581	413.1	1.982	33.967	412.8	1.978	35.361	412.4	1.974	36.761	412.1	1.970	38.169	411.8	1.966	39.584	411.4	1.962	423.15
155	32.120	417.2	1.992	33.483	416.9	1.988	34.852	416.6	1.984	36.228	416.3	1.980	37.611	415.9	1.976	39.000	415.6	1.972	428.15
160	31.674	421.4	2.002	33.014	421.1	1.997	34.361	420.8	1.993	35.713	420.4	1.989	37.072	420.1	1.985	38.437	419.8	1.982	433.15
165	31.242	425.6	2.011	32.561	425.3	2.007	33.885	425.0	2.003	35.215	424.6	1.999	36.551	424.3	1.995	37.893	424.0	1.991	438.15
170	30.824	429.8	2.021	32.122	429.5	2.017	33.425	429.2	2.012	34.733	428.8	2.008	36.047	428.5	2.005	37.366	428.2	2.001	443.15
175	30.418	433.9	2.030	31.696	433.7	2.026	32.979	433.4	2.022	34.267	433.1	2.018	35.559	432.8	2.014	36.857	432.5	2.010	448.15
180	30.025	438.2	2.040	31.283	437.9	2.035	32.547	437.6	2.031	33.814	437.3	2.027	35.087	437.0	2.023	36.364	436.7	2.020	453.15
185	29.643	442.4	2.049	30.883	442.1	2.045	32.127	441.8	2.041	33.376	441.6	2.037	34.629	441.3	2.033	35.886	441.0	2.029	458.15
190	29.272	446.6	2.058	30.494	446.4	2.054	31.720	446.1	2.050	32.950	445.8	2.046	34.184	445.5	2.042	35.423	445.3	2.038	463.15
195	28.911	450.9	2.067	30.116	450.6	2.063	31.324	450.4	2.059	32.536	450.1	2.055	33.753	449.8	2.051	34.973	449.6	2.048	468.15
200	28.560	455.2	2.076	29.748	454.9	2.072	30.939	454.6	2.068	32.135	454.4	2.064	33.333	454.1	2.060	34.536	453.9	2.057	473.15
205	28.218	459.4	2.085	29.390	459.2	2.081	30.565	458.9	2.077	31.744	458.7	2.073	32.926	458.4	2.069	34.111	458.2	2.066	478.15
210	27.886	463.7	2.094	29.042	463.5	2.090	30.201	463.3	2.086	31.364	463.0	2.082	32.529	462.8	2.078	33.698	462.5	2.075	483.15
215	27.562	468.1	2.103	28.703	467.8	2.099	29.847	467.6	2.095	30.994	467.3	2.091	32.144	467.1	2.087	33.296	466.9	2.084	488.15
220	27.246	472.4	2.112	28.373	472.2	2.108	29.502	471.9	2.104	30.633	471.7	2.100	31.768	471.5	2.096	32.905	471.2	2.093	493.15
225	26.939	476.7	2.121	28.051	476.5	2.117	29.165	476.3	2.113	30.282	476.1	2.109	31.402	475.8	2.105	32.525	475.6	2.101	498.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	15.5			16			16.5			17			17.5			18			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
42	65.975	318.6	1.705	68.953	317.5	1.699													315.15
45	64.569	321.4	1.714	67.421	320.5	1.709	70.362	319.5	1.703	73.400	318.4	1.698							318.15
50	62.432	326.1	1.729	65.108	325.2	1.723	67.855	324.3	1.718	70.678	323.4	1.713	73.585	322.4	1.708	76.581	321.4	1.703	323.15
55	60.511	330.6	1.743	63.039	329.8	1.738	65.626	329.0	1.733	68.275	328.1	1.728	70.991	327.2	1.723	73.779	326.3	1.718	328.15
60	58.766	335.1	1.756	61.169	334.3	1.751	63.621	333.6	1.747	66.124	332.8	1.742	68.683	332.0	1.737	71.300	331.1	1.733	333.15
65	57.170	339.5	1.769	59.463	338.8	1.765	61.799	338.1	1.760	64.178	337.3	1.755	66.604	336.6	1.751	69.079	335.8	1.747	338.15
70	55.698	343.9	1.782	57.896	343.2	1.777	60.130	342.5	1.773	62.403	341.8	1.769	64.714	341.1	1.764	67.067	340.4	1.760	343.15
75	54.334	348.2	1.794	56.447	347.5	1.790	58.592	346.9	1.786	60.770	346.2	1.781	62.982	345.6	1.777	65.229	344.9	1.773	348.15
80	53.063	352.4	1.807	55.101	351.8	1.802	57.166	351.2	1.798	59.260	350.6	1.794	61.383	350.0	1.790	63.538	349.4	1.786	353.15
85	51.874	356.7	1.819	53.843	356.1	1.814	55.837	355.5	1.810	57.856	355.0	1.806	59.900	354.4	1.802	61.972	353.8	1.798	358.15
90	50.758	360.9	1.830	52.665	360.4	1.826	54.593	359.8	1.822	56.544	359.3	1.818	58.518	358.7	1.814	60.516	358.1	1.810	363.15
95	49.706	365.1	1.842	51.556	364.6	1.838	53.425	364.1	1.834	55.314	363.5	1.830	57.224	363.0	1.826	59.155	362.5	1.822	368.15
100	48.712	369.3	1.853	50.509	368.8	1.849	52.324	368.3	1.845	54.156	367.8	1.841	56.008	367.3	1.837	57.878	366.8	1.834	373.15
105	47.770	373.5	1.864	49.519	373.0	1.860	51.283	372.5	1.856	53.064	372.0	1.853	54.861	371.6	1.849	56.675	371.1	1.845	378.15
110	46.876	377.7	1.875	48.579	377.2	1.871	50.297	376.7	1.867	52.029	376.3	1.864	53.777	375.8	1.860	55.540	375.3	1.856	383.15
115	46.024	381.8	1.886	47.685	381.4	1.882	49.360	380.9	1.878	51.048	380.5	1.875	52.749	380.1	1.871	54.465	379.6	1.867	388.15
120	45.212	386.0	1.897	46.833	385.6	1.893	48.468	385.1	1.889	50.114	384.7	1.885	51.773	384.3	1.882	53.444	383.9	1.878	393.15
125	44.435	390.2	1.907	46.020	389.8	1.903	47.616	389.3	1.900	49.224	388.9	1.896	50.842	388.5	1.893	52.473	388.1	1.889	398.15
130	43.692	394.3	1.918	45.242	393.9	1.914	46.803	393.5	1.910	48.374	393.1	1.907	49.955	392.7	1.903	51.547	392.3	1.900	403.15
135	42.980	398.5	1.928	44.497	398.1	1.924	46.024	397.7	1.921	47.561	397.4	1.917	49.107	397.0	1.914	50.662	396.6	1.910	408.15
140	42.296	402.7	1.938	43.782	402.3	1.934	45.278	402.0	1.931	46.782	401.6	1.927	48.294	401.2	1.924	49.816	400.8	1.920	413.15
145	41.638	406.9	1.948	43.096	406.5	1.945	44.561	406.2	1.941	46.034	405.8	1.937	47.515	405.4	1.934	49.005	405.1	1.931	418.15
150	41.006	411.1	1.958	42.435	410.7	1.955	43.872	410.4	1.951	45.316	410.0	1.947	46.767	409.7	1.944	48.226	409.3	1.941	423.15
155	40.396	415.3	1.968	41.799	414.9	1.964	43.208	414.6	1.961	44.625	414.3	1.957	46.048	413.9	1.954	47.478	413.6	1.951	428.15
160	39.808	419.5	1.978	41.185	419.2	1.974	42.569	418.8	1.971	43.959	418.5	1.967	45.356	418.2	1.964	46.759	417.8	1.961	433.15
165	39.240	423.7	1.988	40.593	423.4	1.984	41.952	423.1	1.980	43.317	422.8	1.977	44.688	422.4	1.974	46.065	422.1	1.970	438.15
170	38.691	427.9	1.997	40.021	427.6	1.994	41.357	427.3	1.990	42.698	427.0	1.987	44.044	426.7	1.983	45.396	426.4	1.980	443.15
175	38.160	432.2	2.007	39.468	431.9	2.003	40.781	431.6	2.000	42.099	431.3	1.996	43.422	431.0	1.993	44.751	430.7	1.990	448.15
180	37.646	436.4	2.016	38.933	436.2	2.013	40.224	435.9	2.009	41.520	435.6	2.006	42.821	435.3	2.003	44.127	435.0	1.999	453.15
185	37.148	440.7	2.025	38.414	440.4	2.022	39.685	440.1	2.019	40.960	439.9	2.015	42.240	439.6	2.012	43.524	439.3	2.009	458.15
190	36.665	445.0	2.035	37.912	444.7	2.031	39.162	444.4	2.028	40.417	444.2	2.025	41.677	443.9	2.021	42.940	443.6	2.018	463.15
195	36.197	449.3	2.044	37.424	449.0	2.040	38.656	448.8	2.037	39.891	448.5	2.034	41.131	448.2	2.031	42.374	447.9	2.027	468.15
200	35.742	453.6	2.053	36.951	453.3	2.050	38.164	453.1	2.046	39.381	452.8	2.043	40.602	452.5	2.040	41.826	452.3	2.037	473.15
205	35.300	457.9	2.062	36.492	457.7	2.059	37.687	457.4	2.055	38.886	457.2	2.052	40.088	456.9	2.049	41.294	456.6	2.046	478.15
210	34.870	462.3	2.071	36.045	462.0	2.068	37.223	461.8	2.064	38.405	461.5	2.061	39.590	461.3	2.058	40.777	461.0	2.055	483.15
215	34.452	466.6	2.080	35.611	466.4	2.077	36.773	466.1	2.073	37.937	465.9	2.070	39.105	465.6	2.067	40.276	465.4	2.064	488.15
220	34.046	471.0	2.089	35.188	470.7	2.086	36.334	470.5	2.082	37.483	470.3	2.079	38.634	470.0	2.076	39.788	469.8	2.073	493.15
225	33.650	475.4	2.098	34.777	475.1	2.095	35.907	474.9	2.091	37.040	474.7	2.088	38.176	474.4	2.085	39.314	474.2	2.082	498.15
230	33.264	479.7	2.107	34.377	479.5	2.103	35.492	479.3	2.100	36.610	479.1	2.097	37.730	478.8	2.094	38.853	478.6	2.091	503.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)																		Temp (K)
	18.5			19			19.5			20			20.5			21			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
48	81.017	318.2	1.691																321.15
50	79.676	320.4	1.698	82.878	319.4	1.693													323.15
55	76.643	325.4	1.713	79.591	324.5	1.708	82.629	323.5	1.704	85.765	322.5	1.699	89.009	321.5	1.694	92.371	320.4	1.689	328.15
60	73.979	330.3	1.728	76.725	329.4	1.723	79.542	328.6	1.719	82.434	327.6	1.714	85.410	326.7	1.710	88.474	325.8	1.705	333.15
65	71.605	335.0	1.742	74.185	334.2	1.738	76.822	333.4	1.733	79.521	332.6	1.729	82.285	331.8	1.725	85.119	330.9	1.720	338.15
70	69.463	339.7	1.756	71.904	338.9	1.752	74.393	338.2	1.747	76.932	337.4	1.743	79.525	336.6	1.739	82.173	335.8	1.735	343.15
75	67.513	344.2	1.769	69.835	343.5	1.765	72.198	342.8	1.761	74.603	342.1	1.757	77.052	341.4	1.753	79.548	340.7	1.749	348.15
80	65.724	348.7	1.782	67.943	348.1	1.778	70.197	347.4	1.774	72.487	346.8	1.770	74.814	346.1	1.766	77.179	345.4	1.762	353.15
85	64.072	353.2	1.794	66.200	352.6	1.790	68.359	351.9	1.787	70.548	351.3	1.783	72.769	350.7	1.779	75.024	350.0	1.775	358.15
90	62.538	357.6	1.806	64.586	357.0	1.803	66.660	356.4	1.799	68.760	355.8	1.795	70.889	355.2	1.792	73.046	354.6	1.788	363.15
95	61.107	361.9	1.818	63.083	361.4	1.815	65.081	360.8	1.811	67.102	360.3	1.808	69.148	359.7	1.804	71.219	359.1	1.800	368.15
100	59.767	366.3	1.830	61.677	365.7	1.826	63.606	365.2	1.823	65.557	364.7	1.819	67.529	364.1	1.816	69.523	363.6	1.813	373.15
105	58.507	370.6	1.842	60.357	370.1	1.838	62.224	369.6	1.835	64.111	369.1	1.831	66.016	368.6	1.828	67.941	368.0	1.824	378.15
110	57.319	374.9	1.853	59.113	374.4	1.849	60.924	373.9	1.846	62.752	373.4	1.843	64.597	372.9	1.839	66.459	372.4	1.836	383.15
115	56.194	379.1	1.864	57.939	378.7	1.861	59.698	378.2	1.857	61.472	377.8	1.854	63.261	377.3	1.851	65.066	376.8	1.847	388.15
120	55.128	383.4	1.875	56.826	383.0	1.871	58.536	382.5	1.868	60.261	382.1	1.865	61.999	381.6	1.862	63.751	381.2	1.859	393.15
125	54.115	387.7	1.886	55.769	387.3	1.882	57.435	386.8	1.879	59.113	386.4	1.876	60.804	386.0	1.873	62.508	385.5	1.870	398.15
130	53.149	391.9	1.896	54.763	391.5	1.893	56.387	391.1	1.890	58.023	390.7	1.887	59.670	390.3	1.883	61.329	389.9	1.880	403.15
135	52.228	396.2	1.907	53.803	395.8	1.904	55.389	395.4	1.900	56.985	395.0	1.897	58.591	394.6	1.894	60.208	394.2	1.891	408.15
140	51.347	400.5	1.917	52.886	400.1	1.914	54.436	399.7	1.911	55.994	399.3	1.908	57.562	398.9	1.905	59.140	398.5	1.902	413.15
145	50.503	404.7	1.927	52.009	404.4	1.924	53.524	404.0	1.921	55.047	403.6	1.918	56.580	403.2	1.915	58.121	402.9	1.912	418.15
150	49.693	409.0	1.938	51.168	408.6	1.934	52.650	408.3	1.931	54.141	407.9	1.928	55.639	407.6	1.925	57.146	407.2	1.922	423.15
155	48.916	413.2	1.948	50.361	412.9	1.944	51.813	412.6	1.941	53.272	412.2	1.938	54.738	411.9	1.935	56.213	411.5	1.932	428.15
160	48.168	417.5	1.957	49.585	417.2	1.954	51.008	416.9	1.951	52.437	416.5	1.948	53.874	416.2	1.945	55.317	415.8	1.942	433.15
165	47.448	421.8	1.967	48.838	421.5	1.964	50.233	421.2	1.961	51.635	420.8	1.958	53.043	420.5	1.955	54.457	420.2	1.952	438.15
170	46.754	426.1	1.977	48.118	425.8	1.974	49.487	425.5	1.971	50.862	425.1	1.968	52.243	424.8	1.965	53.630	424.5	1.962	443.15
175	46.085	430.4	1.987	47.424	430.1	1.984	48.768	429.8	1.981	50.118	429.5	1.978	51.473	429.2	1.975	52.834	428.9	1.972	448.15
180	45.438	434.7	1.996	46.754	434.4	1.993	48.074	434.1	1.990	49.400	433.8	1.987	50.731	433.5	1.984	52.066	433.2	1.982	453.15
185	44.813	439.0	2.006	46.106	438.7	2.003	47.404	438.4	2.000	48.706	438.1	1.997	50.014	437.8	1.994	51.326	437.6	1.991	458.15
190	44.208	443.3	2.015	45.479	443.0	2.012	46.756	442.8	2.009	48.036	442.5	2.006	49.321	442.2	2.003	50.610	441.9	2.001	463.15
195	43.622	447.7	2.024	44.873	447.4	2.021	46.128	447.1	2.018	47.388	446.8	2.016	48.651	446.6	2.013	49.918	446.3	2.010	468.15
200	43.054	452.0	2.034	44.285	451.7	2.031	45.521	451.5	2.028	46.760	451.2	2.025	48.003	450.9	2.022	49.249	450.7	2.019	473.15
205	42.503	456.4	2.043	43.716	456.1	2.040	44.932	455.9	2.037	46.151	455.6	2.034	47.374	455.3	2.031	48.601	455.1	2.029	478.15
210	41.969	460.8	2.052	43.163	460.5	2.049	44.361	460.2	2.046	45.561	460.0	2.043	46.765	459.7	2.040	47.973	459.5	2.038	483.15
215	41.450	465.1	2.061	42.626	464.9	2.058	43.806	464.6	2.055	44.989	464.4	2.052	46.175	464.1	2.050	47.364	463.9	2.047	488.15
220	40.945	469.5	2.070	42.105	469.3	2.067	43.268	469.1	2.064	44.433	468.8	2.061	45.601	468.6	2.059	46.772	468.3	2.056	493.15
225	40.455	473.9	2.079	41.598	473.7	2.076	42.744	473.5	2.073	43.893	473.2	2.070	45.044	473.0	2.068	46.198	472.8	2.065	498.15
230	39.978	478.4	2.088	41.105	478.1	2.085	42.235	477.9	2.082	43.368	477.7	2.079	44.503	477.4	2.076	45.640	477.2	2.074	503.15

**R22 : Properties of Superheated Vapour (SI Units)**

Temp (°C)	Absolute Pressure (bar)									Temp (K)
	21.5			22			25			
	D	H	S	D	H	S	D	H	S	
56	94.958	320.4	1.687	98.514	319.3	1.682				329.15
60	91.634	324.8	1.701	94.900	323.8	1.696				333.15
65	88.027	330.0	1.716	91.015	329.1	1.712	111.040	323.1	1.685	338.15
70	84.881	335.0	1.731	87.652	334.2	1.727	105.864	328.8	1.702	343.15
75	82.092	339.9	1.745	84.687	339.2	1.741	101.508	334.3	1.718	348.15
80	79.586	344.7	1.759	82.035	344.0	1.755	97.744	339.5	1.733	353.15
85	77.313	349.4	1.772	79.637	348.7	1.768	94.428	344.6	1.747	358.15
90	75.233	354.0	1.785	77.450	353.4	1.781	91.466	349.5	1.761	363.15
95	73.316	358.5	1.797	75.440	358.0	1.794	88.790	354.3	1.774	368.15
100	71.540	363.1	1.809	73.580	362.5	1.806	86.349	359.1	1.787	373.15
105	69.886	367.5	1.821	71.852	367.0	1.818	84.107	363.7	1.799	378.15
110	68.339	372.0	1.833	70.238	371.5	1.830	82.035	368.4	1.811	383.15
115	66.887	376.4	1.844	68.724	375.9	1.841	80.109	372.9	1.823	388.15
120	65.518	380.7	1.855	67.299	380.3	1.852	78.310	377.5	1.835	393.15
125	64.225	385.1	1.866	65.955	384.7	1.863	76.624	382.0	1.846	398.15
130	62.999	389.5	1.877	64.682	389.1	1.874	75.038	386.5	1.857	403.15
135	61.835	393.8	1.888	63.474	393.4	1.885	73.541	390.9	1.868	408.15
140	60.727	398.2	1.899	62.325	397.8	1.896	72.125	395.4	1.879	413.15
145	59.671	402.5	1.909	61.230	402.1	1.906	70.780	399.8	1.890	418.15
150	58.661	406.8	1.919	60.184	406.5	1.916	69.502	404.3	1.900	423.15
155	57.694	411.2	1.930	59.183	410.8	1.927	68.284	408.7	1.911	428.15
160	56.768	415.5	1.940	58.225	415.2	1.937	67.121	413.1	1.921	433.15
165	55.878	419.8	1.950	57.305	419.5	1.947	66.008	417.5	1.931	438.15
170	55.023	424.2	1.959	56.422	423.9	1.957	64.943	421.9	1.941	443.15
175	54.200	428.5	1.969	55.572	428.2	1.966	63.920	426.4	1.951	448.15
180	53.407	432.9	1.979	54.753	432.6	1.976	62.938	430.8	1.961	453.15
185	52.642	437.3	1.988	53.964	437.0	1.986	61.994	435.2	1.971	458.15
190	51.904	441.6	1.998	53.202	441.4	1.995	61.084	439.6	1.980	463.15
195	51.190	446.0	2.007	52.466	445.7	2.005	60.207	444.1	1.990	468.15
200	50.499	450.4	2.017	51.754	450.1	2.014	59.360	448.5	1.999	473.15
205	49.831	454.8	2.026	51.065	454.5	2.023	58.542	453.0	2.008	478.15
210	49.183	459.2	2.035	50.397	459.0	2.032	57.752	457.4	2.018	483.15
215	48.556	463.6	2.044	49.751	463.4	2.042	56.986	461.9	2.027	488.15
220	47.946	468.1	2.053	49.123	467.8	2.051	56.245	466.4	2.036	493.15
225	47.355	472.5	2.062	48.514	472.3	2.060	55.527	470.8	2.045	498.15
230	46.780	477.0	2.071	47.923	476.7	2.069	54.830	475.3	2.054	503.15

# ARCTON® 22



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