

## Thermodynamic properties of saturated Solkane® 23

Release 1.01

t °C	p bar	v' dm³/kg	v'' m³/kg	h' kJ/kg	h'' kJ/kg	r=h''-h' kJ/kg	s' kJ/kgK	s'' kJ/kgK	t °C	p bar	v' dm³/kg	v'' m³/kg	h' kJ/kg	h'' kJ/kg	r=h''-h' kJ/kg	s' kJ/kgK	s'' kJ/kgK
-100	0.31	0.653	0.648	60.77	318.50	257.73	0.3766	1.8651	-30	10.14	0.818	0.023	155.73	340.28	184.55	0.8337	1.5927
-99	0.33	0.655	0.605	62.06	318.95	256.89	0.3840	1.8591	-29	10.49	0.822	0.022	157.10	340.40	183.30	0.8392	1.5900
-98	0.36	0.657	0.565	63.44	319.38	255.94	0.3919	1.8532	-28	10.84	0.825	0.021	158.47	340.52	182.05	0.8447	1.5873
-97	0.39	0.658	0.529	64.83	319.81	254.98	0.3998	1.8473	-27	11.21	0.829	0.021	159.85	340.62	180.77	0.8502	1.5846
-96	0.41	0.660	0.495	66.11	320.25	254.14	0.4071	1.8417	-26	11.58	0.833	0.020	161.24	340.71	179.47	0.8557	1.5819
-95	0.44	0.662	0.464	67.45	320.68	253.23	0.4146	1.8360	-25	11.96	0.837	0.019	162.62	340.80	178.18	0.8612	1.5792
-94	0.48	0.663	0.435	68.84	321.11	252.27	0.4223	1.8305	-24	12.36	0.841	0.019	164.01	340.88	176.87	0.8666	1.5765
-93	0.51	0.665	0.408	70.22	321.53	251.31	0.4300	1.8250	-23	12.76	0.845	0.018	165.41	340.94	175.53	0.8721	1.5738
-92	0.54	0.667	0.383	71.51	321.95	250.44	0.4372	1.8197	-22	13.17	0.849	0.018	166.81	341.00	174.19	0.8775	1.5711
-91	0.58	0.669	0.360	72.90	322.37	249.47	0.4448	1.8144	-21	13.59	0.853	0.017	168.21	341.05	172.84	0.8830	1.5684
-90	0.62	0.670	0.339	74.22	322.79	248.57	0.4520	1.8092	-20	14.02	0.857	0.016	169.62	341.08	171.46	0.8884	1.5657
-89	0.66	0.672	0.319	75.58	323.20	247.62	0.4594	1.8041	-19	14.47	0.861	0.016	171.04	341.11	170.07	0.8939	1.5630
-88	0.70	0.674	0.300	76.91	323.61	246.70	0.4666	1.7990	-18	14.92	0.866	0.015	172.46	341.12	168.66	0.8993	1.5603
-87	0.75	0.676	0.283	78.30	324.02	245.72	0.4740	1.7941	-17	15.38	0.870	0.015	173.90	341.13	167.23	0.9047	1.5576
-86	0.80	0.678	0.267	79.68	324.42	244.74	0.4814	1.7891	-16	15.85	0.875	0.014	175.33	341.12	165.79	0.9102	1.5549
-85	0.85	0.679	0.252	81.02	324.82	243.80	0.4885	1.7843	-15	16.34	0.879	0.014	176.78	341.09	164.31	0.9156	1.5521
-84	0.90	0.681	0.238	82.37	325.22	242.85	0.4957	1.7796	-14	16.84	0.884	0.013	178.24	341.06	162.82	0.9211	1.5494
-83	0.96	0.683	0.225	83.74	325.61	241.87	0.5029	1.7749	-13	17.34	0.889	0.013	179.70	341.01	161.31	0.9266	1.5466
-82	1.01	0.685	0.213	85.07	326.00	240.93	0.5099	1.7703	-12	17.86	0.894	0.013	181.18	340.94	159.76	0.9320	1.5438
-81	1.08	0.687	0.202	86.45	326.39	239.94	0.5171	1.7657	-11	18.39	0.899	0.012	182.67	340.86	158.19	0.9376	1.5410
-80	1.14	0.689	0.191	87.81	326.77	238.96	0.5240	1.7613	-10	18.93	0.905	0.012	184.17	340.77	156.60	0.9431	1.5382
-79	1.21	0.691	0.181	89.17	327.15	237.98	0.5311	1.7568	-9	19.49	0.910	0.011	185.68	340.66	154.98	0.9486	1.5353
-78	1.27	0.693	0.172	90.53	327.53	237.00	0.5380	1.7525	-8	20.05	0.915	0.011	187.20	340.53	153.33	0.9542	1.5325
-77	1.35	0.695	0.163	91.88	327.90	236.02	0.5449	1.7482	-7	20.63	0.921	0.011	188.74	340.39	151.65	0.9598	1.5295
-76	1.42	0.697	0.155	93.27	328.27	235.00	0.5519	1.7439	-6	21.22	0.927	0.010	190.29	340.22	149.93	0.9654	1.5266
-75	1.50	0.699	0.147	94.61	328.64	234.03	0.5587	1.7398	-5	21.83	0.933	0.010	191.86	340.04	148.18	0.9710	1.5236
-74	1.58	0.701	0.140	95.97	329.00	233.03	0.5655	1.7356	-4	22.44	0.939	0.010	193.45	339.83	146.38	0.9767	1.5206
-73	1.67	0.703	0.133	97.33	329.36	232.03	0.5723	1.7316	-3	23.08	0.946	0.009	195.06	339.61	144.55	0.9825	1.5175
-72	1.76	0.705	0.127	98.70	329.71	231.01	0.5791	1.7275	-2	23.72	0.952	0.009	196.68	339.36	142.68	0.9883	1.5144
-71	1.85	0.707	0.121	100.06	330.06	230.00	0.5858	1.7236	-1	24.38	0.959	0.009	198.33	339.08	140.75	0.9941	1.5113
-70	1.95	0.709	0.115	101.43	330.41	228.98	0.5925	1.7197	0	25.05	0.966	0.008	200.00	338.78	138.78	1.0000	1.5081
-69	2.05	0.711	0.110	102.78	330.75	227.97	0.5991	1.7158	1	25.74	0.973	0.008	201.69	338.45	136.76	1.0059	1.5048
-68	2.15	0.713	0.105	104.14	331.09	226.95	0.6058	1.7120	2	26.44	0.981	0.008	203.41	338.10	134.69	1.0119	1.5014
-67	2.26	0.716	0.100	105.51	331.42	225.91	0.6124	1.7082	3	27.15	0.989	0.008	205.16	337.71	132.55	1.0180	1.4980
-66	2.38	0.718	0.095	106.87	331.75	224.88	0.6189	1.7045	4	27.88	0.997	0.007	206.94	337.28	130.34	1.0242	1.4945
-65	2.49	0.720	0.091	108.23	332.07	223.84	0.6254	1.7008	5	28.63	1.005	0.007	208.75	336.83	128.08	1.0304	1.4909
-64	2.61	0.722	0.087	109.59	332.40	222.81	0.6319	1.6972	6	29.39	1.014	0.007	210.60	336.33	125.73	1.0368	1.4872
-63	2.74	0.725	0.083	110.95	332.71	221.76	0.6383	1.6936	7	30.17	1.023	0.007	212.48	335.79	123.31	1.0433	1.4834
-62	2.87	0.727	0.080	112.30	333.03	220.73	0.6447	1.6900	8	30.96	1.033	0.006	214.41	335.21	120.80	1.0498	1.4795
-61	3.00	0.729	0.076	113.67	333.33	219.66	0.6511	1.6865	9	31.77	1.043	0.006	216.38	334.57	118.19	1.0565	1.4754
-60	3.14	0.732	0.073	115.02	333.64	218.62	0.6574	1.6831	10	32.59	1.053	0.006	218.40	333.88	115.48	1.0634	1.4712
-59	3.29	0.734	0.070	116.38	333.94	217.56	0.6637	1.6796	11	33.44	1.065	0.006	220.47	333.13	112.66	1.0703	1.4668
-58	3.44	0.736	0.067	117.74	334.23	216.49	0.6700	1.6763	12	34.30	1.077	0.006	222.60	332.32	109.72	1.0775	1.4623
-57	3.59	0.739	0.064	119.09	334.52	215.43	0.6762	1.6729	13	35.17	1.089	0.005	224.80	331.43	106.63	1.0849	1.4575
-56	3.75	0.741	0.061	120.45	334.81	214.36	0.6825	1.6696	14	36.07	1.103	0.005	227.07	330.46	103.39	1.0925	1.4525
-55	3.92	0.744	0.059	121.80	335.09	213.29	0.6886	1.6663	15	36.99	1.117	0.005	229.42	329.39	99.97	1.1003	1.4472
-54	4.09	0.746	0.057	123.16	335.36	212.20	0.6948	1.6631	16	37.92	1.133	0.005	231.87	328.22	96.35	1.1084	1.4416
-53	4.27	0.749	0.054	124.51	335.64	211.13	0.7008	1.6599	17	38.87	1.150	0.005	234.42	326.92	92.50	1.1168	1.4356
-52	4.45	0.751	0.052	125.87	335.90	210.03	0.7069	1.6567	18	39.84	1.169	0.004	237.09	325.47	88.38	1.1256	1.4292
-51	4.64	0.754	0.050	127.22	336.16	208.94	0.7130	1.6535	19	40.83	1.190	0.004	239.91	323.84	83.93	1.1349	1.4222
-50	4.83	0.757	0.048	128.57	336.42	207.85	0.7190	1.6504	20	41.85	1.213	0.004	242.91	321.99	79.08	1.1447	1.4145
-49	5.03	0.759	0.046	129.93	336.67	206.74	0.7250	1.6473	26.03	48.74	1.898	0.002	284.74	284.74	0.00	1.2824	1.2824
-48	5.24	0.762	0.044	131.28	336.91	205.63	0.7309	1.6442									
-47	5.45	0.765	0.043	132.63	337.15	204.52	0.7369	1.6412									
-46	5.67	0.768	0.041	133.99	337.39	203.40	0.7427	1.6382									
-45	5.89	0.771	0.040	135.34	337.61	202.27	0.7486	1.6352									
-44	6.12	0.773	0.038	136.69	337.84	201.15	0.7545	1.6322									
-43	6.36	0.776	0.037	138.05	338.05	200.00	0.7603	1.6293									
-42	6.61	0.779	0.035	139.41	338.26	198.85	0.7661	1.6264									
-41	6.86	0.782	0.034	140.76	338.47	197.71	0.7718	1.6235									
-40	7.12	0.785	0.033	142.11	338.67	196.56	0.7776	1.6206									
-39	7.39	0.788	0.032	143.47	338.86	195.39	0.7833	1.6178									
-38	7.66	0.791	0.031	144.83	339.05	194.22	0.7890	1.6149									
-37	7.94	0.795	0.029	146.18	339.23	193.05	0.7946	1.6121									
-36	8.23	0.798	0.028	147.54	339.40	191.86	0.8003	1.6093									
-35	8.53	0.801	0.027	148.90	339.56	190.66	0.8059	1.6065									
-34	8.84	0.804	0.026	150.26	339.72	189.46	0.8115	1.6037									
-33	9.15	0.808	0.026	151.62	339.87	188.25	0.8171	1.6010									
-32	9.47	0.811	0.025	152.99	340.02	187.03	0.8226	1.5982									
-31	9.80	0.815	0.024	154.36	340.15	185.79	0.8282	1.5955									