

**R717 SATURADO MEC 3338 DOCENTE: EDGAR S. PEÑARANDA M. UTO FNI pag1**  
**ING.MECANICA ELECTROMECHANICA ORURO BOLIVIA 5.648 N**

T(°C)	p (kPa)	vf (m3/kg)	vg (m3/kg)	uf(KJ/kg)	ug(KJ/kg)	hf(KJ/kg)	hg(KJ/kg)	sf(KJ/kg)	sg(KJ/kg)
-72	9.441	0.001376	10.34	-119.3	1254	-119.3	1352	-0.3513	6.962
-70	10.95	0.00138	9.004	-110.8	1257	-110.8	1356	-0.3094	6.909
-68	12.65	0.001384	7.862	-102.3	1260	-102.3	1359	-0.2677	6.856
-66	14.57	0.001388	6.886	-93.8	1263	-93.78	1363	-0.2264	6.806
-64	16.74	0.001393	6.049	-85.26	1265	-85.23	1367	-0.1853	6.756
-62	19.17	0.001397	5.328	-76.69	1268	-76.66	1370	-0.1446	6.708
-60	21.89	0.001401	4.707	-68.09	1271	-68.06	1374	-0.104	6.66
-58	24.93	0.001406	4.168	-59.48	1273	-59.44	1377	-0.0638	6.614
-56	28.31	0.00141	3.701	-50.84	1276	-50.8	1381	-0.0239	6.569
-54	32.06	0.001415	3.294	-42.18	1279	-42.13	1384	0.01586	6.525
-52	36.22	0.00142	2.939	-33.49	1281	-33.44	1388	0.05531	6.482
-50	40.82	0.001424	2.629	-24.79	1284	-24.73	1391	0.0945	6.44
-48	45.89	0.001429	2.356	-16.06	1286	-15.99	1395	0.1334	6.399
-46	51.47	0.001434	2.117	-7.308	1289	-7.235	1398	0.1721	6.358
-44	57.6	0.001439	1.906	1.462	1291	1.545	1401	0.2106	6.319
-42	64.32	0.001444	1.719	10.25	1294	10.35	1405	0.2488	6.281
-40	71.66	0.001449	1.554	19.07	1296	19.17	1408	0.2867	6.243
-38	79.68	0.001454	1.407	27.9	1299	28.01	1411	0.3245	6.206
-36	88.42	0.001459	1.277	36.75	1301	36.88	1414	0.3619	6.17
-34	97.92	0.001465	1.161	45.62	1304	45.77	1417	0.3992	6.134
-32	108.2	0.00147	1.057	54.52	1306	54.67	1420	0.4362	6.099
-30	119.4	0.001475	0.9642	63.43	1308	63.6	1423	0.473	6.065
-28	131.5	0.001481	0.881	72.36	1310	72.55	1426	0.5096	6.032
-26	144.6	0.001486	0.8062	81.31	1313	81.52	1429	0.546	5.999
-24	158.6	0.001492	0.739	90.27	1315	90.51	1432	0.5821	5.967
-22	173.8	0.001498	0.6784	99.26	1317	99.52	1435	0.618	5.935
-20	190.1	0.001503	0.6237	108.3	1319	108.6	1438	0.6538	5.904
-18	207.6	0.001509	0.5742	117.3	1321	117.6	1440	0.6893	5.874
-16	226.3	0.001515	0.5294	126.3	1323	126.7	1443	0.7246	5.844
-14	246.4	0.001521	0.4888	135.4	1325	135.8	1446	0.7597	5.814
-12	267.9	0.001527	0.4518	144.5	1327	144.9	1448	0.7946	5.785
-10	290.8	0.001534	0.4182	153.6	1329	154	1451	0.8293	5.757
-8	315.2	0.00154	0.3875	162.7	1331	163.2	1453	0.8638	5.729
-6	341.2	0.001546	0.3596	171.8	1333	172.3	1456	0.8981	5.701
-4	368.9	0.001553	0.334	181	1335	181.5	1458	0.9323	5.674
-2	398.3	0.001559	0.3106	190.1	1336	190.8	1460	0.9662	5.647
0	429.6	0.001566	0.2892	199.3	1338	200	1462	1	5.621
2	462.6	0.001573	0.2695	208.5	1340	209.3	1464	1.034	5.595
4	497.7	0.00158	0.2514	217.8	1341	218.6	1466	1.067	5.569
6	534.8	0.001587	0.2348	227	1343	227.9	1468	1.1	5.544
8	573.9	0.001594	0.2195	236.3	1344	237.2	1470	1.133	5.519
10	615.3	0.001601	0.2053	245.6	1346	246.6	1472	1.166	5.494
12	658.9	0.001608	0.1923	254.9	1347	256	1474	1.199	5.47
14	704.9	0.001616	0.1802	264.2	1349	265.4	1476	1.232	5.446
16	753.3	0.001623	0.1691	273.6	1350	274.8	1477	1.264	5.422
18	804.2	0.001631	0.1587	283	1351	284.3	1479	1.297	5.399
20	857.8	0.001639	0.1491	292.4	1352	293.8	1480	1.329	5.376
22	914	0.001647	0.1402	301.8	1353	303.3	1482	1.361	5.353
24	972.9	0.001655	0.132	311.3	1354	312.9	1483	1.393	5.33

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T(°C)	p (kPa)	vf (m3/kg)	vg (m3/kg)	uf(KJ/kg)	ug(KJ/kg)	hf(KJ/kg)	hg(KJ/kg)	sf(KJ/kg)	sg(KJ/kg)
26	1035	0.001663	0.1243	320.7	1355	322.5	1484	1.425	5.307
28	1100	0.001672	0.1171	330.3	1356	332.1	1485	1.456	5.285
30	1167	0.00168	0.1104	339.8	1357	341.8	1486	1.488	5.263
32	1238	0.001689	0.1042	349.4	1358	351.5	1487	1.52	5.241
34	1312	0.001698	0.09839	359	1359	361.2	1488	1.551	5.219
36	1390	0.001707	0.09296	368.6	1360	371	1489	1.582	5.198
38	1471	0.001716	0.08787	378.3	1360	380.8	1489	1.613	5.176
40	1555	0.001726	0.08311	388	1361	390.6	1490	1.645	5.155
42	1643	0.001736	0.07865	397.7	1361	400.5	1490	1.676	5.134
44	1735	0.001745	0.07446	407.5	1362	410.5	1491	1.707	5.113
46	1831	0.001756	0.07053	417.3	1362	420.5	1491	1.737	5.092
48	1930	0.001766	0.06684	427.1	1362	430.5	1491	1.768	5.071
50	2033	0.001777	0.06337	437	1362	440.6	1491	1.799	5.05
52	2141	0.001788	0.06011	446.9	1362	450.8	1491	1.83	5.029
54	2253	0.001799	0.05703	456.9	1362	461	1491	1.86	5.008
56	2369	0.00181	0.05414	467	1362	471.2	1490	1.891	4.988
58	2489	0.001822	0.0514	477	1362	481.6	1490	1.922	4.967
60	2614	0.001834	0.04883	487.2	1362	492	1489	1.952	4.946
62	2744	0.001846	0.04639	497.4	1361	502.4	1489	1.983	4.926
64	2879	0.001859	0.04409	507.6	1361	513	1488	2.014	4.905
66	3018	0.001872	0.04191	517.9	1360	523.6	1487	2.044	4.884
68	3162	0.001886	0.03985	528.3	1359	534.3	1485	2.075	4.863
70	3312	0.0019	0.03789	538.8	1359	545	1484	2.105	4.842
72	3467	0.001915	0.03604	549.3	1358	555.9	1483	2.136	4.821
74	3627	0.001929	0.03429	559.9	1356	566.9	1481	2.167	4.8
76	3792	0.001945	0.03262	570.5	1355	577.9	1479	2.198	4.778
78	3964	0.001961	0.03103	581.3	1354	589.1	1477	2.229	4.757
80	4141	0.001978	0.02953	592.2	1352	600.3	1474	2.26	4.735
82	4323	0.001995	0.02809	603.1	1350	611.7	1472	2.291	4.713
84	4512	0.002013	0.02673	614.2	1349	623.2	1469	2.322	4.69
86	4707	0.002032	0.02543	625.3	1346	634.9	1466	2.353	4.668
88	4909	0.002051	0.02418	636.6	1344	646.7	1463	2.385	4.645
90	5116	0.002071	0.023	648	1342	658.6	1459	2.417	4.621
92	5331	0.002093	0.02187	659.6	1339	670.7	1455	2.449	4.598
94	5552	0.002115	0.02079	671.2	1336	683	1451	2.481	4.573
96	5780	0.002139	0.01975	683.1	1333	695.4	1447	2.514	4.549
98	6015	0.002164	0.01876	695.1	1329	708.1	1442	2.546	4.523
100	6257	0.00219	0.01781	707.3	1325	721	1436	2.58	4.497
102	6507	0.002218	0.0169	719.7	1321	734.1	1431	2.613	4.47
104	6764	0.002247	0.01602	732.3	1316	747.5	1425	2.647	4.442
106	7029	0.002279	0.01517	745.2	1311	761.2	1418	2.682	4.414
108	7302	0.002313	0.01436	758.4	1306	775.3	1411	2.717	4.384
110	7583	0.002349	0.01358	771.8	1300	789.7	1403	2.753	4.353
112	7872	0.002389	0.01281	785.7	1293	804.5	1394	2.79	4.32
114	8170	0.002432	0.01208	799.9	1286	819.8	1385	2.828	4.286
116	8476	0.00248	0.01136	814.7	1278	835.7	1374	2.867	4.25
118	8792	0.002533	0.01066	830.1	1269	852.3	1363	2.908	4.212