

**PROPIEDADES TERMODINÁMICAS**

**TABLA 1- PROPIEDADES DE SATURACIÓN DE Eco404**

Temp (°C)	Liquid Phase Pressure (MPa)	Vapor Phase Pressure (MPa)	Liquid Phase Density (kg/m³)	Vapor Phase Density (kg/m³)	Liquid Phase Volume (m³/kg)	Vapor Phase Volume (m³/kg)	Liquid Phase Enthalpy (kJ/kg)	Vapor Phase Enthalpy (kJ/kg)	Liquid Phase Entropy (kJ/kg-K)	Vapor Phase Entropy (kJ/kg-K)	Temp (°F)
-40	0.1300	0.1124	594.9500	2.61380	0.00168	0.38258	106.810	532.400	0.63439	2.47870	-40.0
-38	0.1414	0.1228	592.4900	2.83650	0.00169	0.35255	111.270	534.660	0.65338	2.47220	-36.4
-36	0.1535	0.1338	590.0200	3.07350	0.00169	0.32536	115.750	536.920	0.67227	2.46600	-32.8
-34	0.1665	0.1456	587.5400	3.32530	0.00170	0.30072	120.250	539.170	0.69107	2.46000	-29.2
-32	0.1802	0.1581	585.0400	3.59280	0.00171	0.27834	124.770	541.420	0.70979	2.45420	-25.6
-30	0.1948	0.1715	582.5200	3.87640	0.00172	0.25797	129.310	543.650	0.72843	2.44860	-22.0
-28	0.2103	0.1857	579.9800	4.17690	0.00172	0.23941	133.870	545.880	0.74698	2.44330	-18.4
-26	0.2267	0.2008	577.4300	4.49490	0.00173	0.22248	138.440	548.100	0.76546	2.43810	-14.8
-24	0.2441	0.2169	574.8600	4.83120	0.00174	0.20699	143.040	550.310	0.78387	2.43320	-11.2
-22	0.2624	0.2338	572.2800	5.18650	0.00175	0.19281	147.660	552.510	0.80220	2.42840	-7.6
-20	0.2818	0.2518	569.6700	5.56150	0.00176	0.17981	152.300	554.700	0.82047	2.42380	-4.0
-18	0.3022	0.2708	567.0400	5.95710	0.00176	0.16787	156.960	556.870	0.83867	2.41940	-0.4
-16	0.3237	0.2909	564.4000	6.37390	0.00177	0.15689	161.650	559.040	0.85681	2.41510	3.2
-14	0.3464	0.3121	561.7300	6.81300	0.00178	0.14678	166.350	561.190	0.87489	2.41100	6.8
-12	0.3702	0.3344	559.0400	7.27500	0.00179	0.13746	171.090	563.320	0.89291	2.40700	10.4
-10	0.3953	0.3579	556.3300	7.76100	0.00180	0.12885	175.840	565.450	0.91088	2.40320	14.0
-8	0.4215	0.3826	553.6000	8.27170	0.00181	0.12089	180.620	567.560	0.92880	2.39950	17.6
-6	0.4491	0.4086	550.8400	8.80830	0.00182	0.11353	185.430	569.650	0.94666	2.39590	21.2
-4	0.4780	0.4359	548.0500	9.37160	0.00182	0.10671	190.260	571.730	0.96449	2.39250	24.8
-2	0.5082	0.4645	545.2400	9.96270	0.00183	0.10037	195.110	573.790	0.98226	2.38920	28.4
0	0.5399	0.4944	542.4100	10.58300	0.00184	0.09449	200.000	575.830	1.00000	2.38590	32.0
2	0.5729	0.5258	539.5400	11.23300	0.00185	0.08903	204.910	577.850	1.01770	2.38280	35.6
4	0.6075	0.5587	536.6500	11.91400	0.00186	0.08394	209.860	579.860	1.03540	2.37980	39.2
6	0.6435	0.5930	533.7200	12.62800	0.00187	0.07919	214.830	581.840	1.05300	2.37690	42.8
8	0.6812	0.6289	530.7600	13.37500	0.00188	0.07477	219.830	583.800	1.07060	2.37400	46.4
10	0.7204	0.6664	527.7800	14.15800	0.00189	0.07063	224.860	585.740	1.08820	2.37120	50.0
12	0.7612	0.7055	524.7500	14.97700	0.00191	0.06677	229.930	587.660	1.10570	2.36850	53.6
14	0.8037	0.7463	521.6900	15.83400	0.00192	0.06316	235.020	589.550	1.12330	2.36590	57.2
16	0.8479	0.7888	518.6000	16.73100	0.00193	0.05977	240.160	591.410	1.14080	2.36330	60.8
18	0.8939	0.8330	515.4600	17.67000	0.00194	0.05660	245.320	593.250	1.15830	2.36070	64.4
20	0.9417	0.8791	512.2800	18.65100	0.00195	0.05362	250.530	595.060	1.17580	2.35830	68.0
22	0.9913	0.9269	509.0600	19.67800	0.00196	0.05082	255.770	596.830	1.19320	2.35580	71.6
24	1.0428	0.9767	505.8000	20.75200	0.00198	0.04819	261.040	598.580	1.21070	2.35340	75.2
26	1.0963	1.0284	502.4900	21.87600	0.00199	0.04571	266.360	600.290	1.22820	2.35100	78.8
28	1.1516	1.0821	499.1300	23.05100	0.00200	0.04338	271.720	601.960	1.24570	2.34860	82.4
30	1.2090	1.1378	495.7200	24.28100	0.00202	0.04119	277.120	603.600	1.26320	2.34620	86.0
32	1.2685	1.1956	492.2500	25.56700	0.00203	0.03911	282.560	605.190	1.28070	2.34380	89.6
34	1.3301	1.2556	488.7300	26.91400	0.00205	0.03716	288.050	606.740	1.29820	2.34140	93.2
36	1.3938	1.3177	485.1400	28.32400	0.00206	0.03531	293.590	608.240	1.31570	2.33900	96.8
38	1.4596	1.3820	481.4900	29.80000	0.00208	0.03356	299.180	609.700	1.33330	2.33650	100.4
40	1.5278	1.4486	477.7700	31.34700	0.00209	0.03190	304.810	611.110	1.35090	2.33410	104.0
42	1.5982	1.5175	473.9800	32.96800	0.00211	0.03033	310.510	612.460	1.36860	2.33160	107.6
44	1.6709	1.5888	470.1100	34.66700	0.00213	0.02885	316.250	613.760	1.38630	2.32900	111.2
46	1.7460	1.6626	466.1600	36.45100	0.00215	0.02743	322.060	615.000	1.40400	2.32640	114.8
48	1.8235	1.7388	462.1200	38.32300	0.00216	0.02609	327.920	616.180	1.42180	2.32370	118.4
50	1.9035	1.8176	457.9900	40.29100	0.00218	0.02482	333.850	617.280	1.43970	2.32090	122.0
52	1.9861	1.8990	453.7600	42.36100	0.00220	0.02361	339.850	618.320	1.45760	2.31800	125.6
54	2.0712	1.9831	449.4200	44.54000	0.00223	0.02245	345.930	619.270	1.47570	2.31500	129.2
56	2.1590	2.0699	444.9600	46.83800	0.00225	0.02135	352.070	620.140	1.49380	2.31180	132.8
58	2.2494	2.1595	440.3700	49.26400	0.00227	0.02030	358.310	620.910	1.51210	2.30850	136.4
60	2.3426	2.2520	435.6500	51.82900	0.00230	0.01929	364.630	621.580	1.53040	2.30500	140.0
62	2.4386	2.3474	430.7700	54.54600	0.00232	0.01833	371.040	622.140	1.54900	2.30130	143.6
64	2.5375	2.4459	425.7300	57.43000	0.00235	0.01741	377.560	622.570	1.56770	2.29740	147.2
66	2.6392	2.5474	420.5000	60.49800	0.00238	0.01653	384.190	622.860	1.58660	2.29310	150.8
68	2.7440	2.6521	415.0600	63.77100	0.00241	0.01568	390.940	622.990	1.60570	2.28860	154.4
70	2.8519	2.7601	409.3900	67.27300	0.00244	0.01487	397.830	622.950	1.62510	2.28370	158.0
72	2.9629	2.8715	403.4500	71.03400	0.00248	0.01408	404.870	622.720	1.64470	2.27830	161.6
74	3.0770	2.9864	397.2100	75.09000	0.00252	0.01332	412.090	622.260	1.66470	2.27240	165.2
76	3.1945	3.1049	390.6100	79.48800	0.00256	0.01258	419.500	621.550	1.68520	2.26600	168.8
78	3.3153	3.2271	383.5900	84.28500	0.00261	0.01186	427.130	620.530	1.70610	2.25880	172.4
80	3.4395	3.3532	376.0800	89.55900	0.00266	0.01117	435.030	619.160	1.72760	2.25080	176.0

Nota: Para información adicional o asistencia técnica sobre los refrigerantes Ecofreeze comuníquese directamente con la compañía o con cualquiera de nuestros distribuidores autorizados.

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