

FORANE® R-410A

Properties of saturated liquid and saturated vapor

P (Abs) bar	Liquid					Vapor					Latent heat of vaporization Lv kJ/kg
	Bubble T' °C	Volume v' dm ³ /Kg	Density p' kg/m ³	Enthalpy h' kJ/kg	Entropy s' kJ/(kg.K)	Dew T T'' °C	Volume v'' m ³ /Kg	Density p'' kg/m ³	Enthalpy h'' kJ/kg	Entropy s'' kJ/(kg.K)	
0.313	-74.1	0.711	1406.1	102.2	0.588	-74.1	0.720	1.388	386.60	2.009	284.4
0.413	-69.3	0.718	1393.5	107.9	0.616	-69.3	0.557	1.794	389.60	1.993	281.8
0.513	-65.4	0.723	1383.0	112.5	0.639	-65.4	0.456	2.192	392.00	1.980	279.5
0.613	-62.1	0.728	1373.9	116.5	0.658	-62.1	0.387	2.584	394.10	1.970	277.6
0.713	-59.2	0.732	1365.9	120.1	0.674	-59.2	0.336	2.972	395.90	1.961	275.8
0.813	-56.6	0.736	1358.7	123.2	0.689	-56.6	0.298	3.356	397.50	1.954	274.3
0.913	-54.3	0.740	1352.1	126.1	0.702	-54.3	0.268	3.737	398.90	1.948	272.8
1.013	-52.2	0.743	1346.0	128.7	0.714	-52.1	0.243	4.116	400.20	1.942	271.5
1.113	-50.2	0.746	1340.3	131.2	0.725	-50.2	0.223	4.492	401.40	1.937	270.2
1.213	-48.4	0.749	1335.0	133.5	0.735	-48.3	0.206	4.866	402.50	1.932	269.1
1.313	-46.7	0.752	1330.0	135.6	0.745	-46.6	0.191	5.238	403.60	1.928	267.9
1.413	-45.1	0.755	1325.2	137.7	0.754	-45.0	0.178	5.608	404.50	1.924	266.9
1.513	-43.6	0.757	1320.7	139.6	0.762	-43.5	0.167	5.977	405.50	1.921	265.8
1.613	-42.1	0.760	1316.4	141.4	0.770	-42.1	0.158	6.345	406.30	1.917	264.9
1.713	-40.8	0.762	1312.2	143.2	0.778	-40.7	0.149	6.711	407.10	1.914	263.9
1.813	-39.5	0.764	1308.3	144.9	0.785	-39.4	0.141	7.077	407.90	1.911	263.0
1.913	-38.2	0.767	1304.4	146.5	0.792	-38.2	0.134	7.442	408.60	1.908	262.1
2.013	-37	0.769	1300.7	148.0	0.798	-37.0	0.128	7.805	409.30	1.906	261.3
2.513	-31.7	0.779	1283.9	155.1	0.827	-31.6	0.104	9.614	412.40	1.895	257.3
3.013	-27.1	0.788	1269.2	161.2	0.852	-27.1	0.088	11.41	414.90	1.886	253.8
3.513	-23.2	0.796	1256.0	166.6	0.874	-23.1	0.076	13.20	417.10	1.878	250.5
4.013	-19.6	0.804	1243.9	171.5	0.893	-19.5	0.067	14.99	419.00	1.871	247.5
4.513	-16.4	0.811	1232.8	176.0	0.911	-16.3	0.060	16.77	420.70	1.865	244.7
5.013	-13.4	0.818	1222.4	180.2	0.927	-13.4	0.054	18.56	422.20	1.860	242.0
5.513	-10.7	0.825	1212.5	184.1	0.941	-10.6	0.049	20.35	423.50	1.855	239.4
6.013	-8.2	0.831	1203.2	187.8	0.955	-8.1	0.045	22.14	424.70	1.851	236.9
6.513	-5.8	0.837	1194.3	191.3	0.968	-5.7	0.042	23.94	425.80	1.847	234.5
7.013	-3.6	0.843	1185.8	194.6	0.980	-3.5	0.039	25.75	426.80	1.843	232.2
7.513	-1.5	0.849	1177.7	197.8	0.992	-1.4	0.036	27.57	427.70	1.840	229.9
8.013	0.6	0.855	1169.8	200.9	1.003	0.6	0.034	29.39	428.50	1.836	227.7
8.513	2.5	0.860	1162.1	203.8	1.014	2.6	0.032	31.22	429.30	1.833	225.5
9.013	4.3	0.866	1154.7	206.6	1.024	4.4	0.030	33.07	430.00	1.830	223.4
9.513	6.1	0.871	1147.5	209.4	1.033	6.1	0.029	34.92	430.70	1.827	221.3
10.013	7.7	0.877	1140.5	212.1	1.043	7.8	0.027	36.78	431.30	1.824	219.2
10.513	9.4	0.882	1133.7	214.7	1.052	9.4	0.026	38.66	431.80	1.822	217.2
11.013	10.9	0.887	1127.0	217.2	1.061	11.0	0.025	40.55	432.40	1.819	215.2
16.013	24.1	0.938	1065.9	239.7	1.136	24.2	0.017	60.23	435.70	1.796	196.0
21.013	34.5	0.989	1010.9	259.2	1.198	34.6	0.012	81.74	436.60	1.775	177.4
26.013	43.1	1.044	958.1	277.0	1.254	43.2	0.009	105.74	435.70	1.755	158.6
31.013	50.6	1.105	904.6	294.2	1.305	50.7	0.008	133.24	433.10	1.734	138.8
36.013	57.2	1.180	847.5	311.6	1.356	57.3	0.006	166.02	428.50	1.710	117.0
41.013	63.2	1.279	781.7	329.9	1.408	63.2	0.005	208.06	421.20	1.680	91.3
44.013	66.5	1.364	733.2	342.1	1.443	66.6	0.004	242.51	414.30	1.655	72.2

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