

A.1.2

압력 kg/cm ² A 포화온도 °C		°C												압력 kg/cm ² A	
		50	80	100	120	150	200	240	280	320	360	400	450		500
0.04 28.65	v	37.975	41.517	43.876	46.234	49.768	55.656	60.365	65.072	69.780	74.487	79.193	85.077	90.960	0.04
	h	619.6	633.0	642.1	651.2	664.8	687.9	706.5	725.4	744.4	763.8	783.3	808.2	833.4	
	s	2.0566	2.0966	2.1214	2.1451	2.1786	2.2301	2.2679	2.3033	2.3366	2.3681	2.3981	2.4336	2.4674	
0.05 32.55	v	30.371	33.207	35.096	36.983	39.811	44.523	48.290	52.056	55.823	59.588	63.354	68.061	72.767	0.05
	h	619.5	633.0	642.1	651.1	664.8	687.8	706.5	725.4	744.4	763.8	783.3	808.2	833.4	
	s	2.0319	2.0719	2.0968	2.1205	2.1540	2.2055	2.2433	2.2787	2.3120	2.3435	2.3735	2.4090	2.4428	
0.06 32.83	v	25.302	27.668	29.242	30.815	33.173	37.100	40.240	43.379	46.518	49.656	52.794	56.717	60.639	0.06
	h	619.5	633.0	642.0	651.1	664.8	687.8	706.5	725.3	744.4	763.8	783.3	808.1	833.4	
	s	2.0117	2.0517	2.0766	2.1003	2.1339	2.1853	2.2232	2.2586	2.2919	2.3234	2.3534	2.3889	2.4227	
0.08 41.16	v	18.965	20.743	21.925	23.106	24.876	27.822	30.178	32.533	34.887	37.241	39.595	42.537	45.479	0.08
	h	619.4	632.9	642.0	651.1	664.8	687.8	706.5	725.3	744.4	763.8	783.3	808.1	833.4	
	s	1.9797	2.0198	2.0448	2.0685	2.1021	2.1536	2.1914	2.2268	2.2602	2.2917	2.3217	2.3572	2.3910	
0.10 45.45	v	15.163	16.588	17.535	18.481	19.898	22.256	24.141	26.025	27.908	29.792	31.675	34.029	36.382	0.10
	h	619.3	632.8	641.9	651.0	664.7	687.8	706.5	725.3	744.4	763.7	783.3	808.1	833.4	
	s	1.9549	1.9951	2.0201	2.0438	2.0775	2.1290	2.1668	2.2022	2.2356	2.2671	2.2971	2.3326	2.3664	
0.20 59.66	v	.001012	8.278	8.754	9.230	9.941	11.122	12.066	13.009	13.951	14.893	15.835	17.013	18.190	0.20
	h	50.0	632.5	641.6	650.8	664.6	687.7	706.4	725.3	744.4	763.7	783.3	808.1	833.3	
	s	0.1680	1.9179	1.9431	1.9670	2.0007	2.0524	2.0903	2.1257	2.1591	2.1906	2.2206	2.2562	2.2899	
0.30 68.68	v	.001012	5.508	5.828	6.145	6.622	7.411	8.041	8.670	9.299	9.927	10.556	11.341	12.126	0.30
	h	50.0	632.1	641.3	650.5	664.4	687.6	706.3	725.2	744.3	763.7	783.2	808.1	833.3	
	s	0.1680	1.8724	1.8977	1.9218	1.9557	2.0075	2.0455	2.0810	2.1143	2.1459	2.1759	2.2115	2.2452	
0.40 75.42	v	.001012	4.123	4.364	4.604	4.962	5.555	6.029	6.501	6.973	7.444	7.916	8.505	9.093	0.40
	h	50.0	631.8	641.0	650.3	664.2	687.5	706.2	725.1	744.3	763.6	783.2	808.0	833.3	
	s	0.1680	1.8398	1.8654	1.8896	1.9237	1.9756	2.0137	2.0492	2.0826	2.1141	2.1441	2.1797	2.2135	
0.50 80.86	v	.001012	.001029	3.486	3.679	3.966	4.442	4.821	5.199	5.577	5.954	6.332	6.803	7.274	0.50
	h	50.0	80.0	640.7	650.1	664.0	687.3	706.1	725.1	744.2	763.6	783.2	808.0	833.3	
	s	0.1680	0.2568	1.8402	1.8645	1.8988	1.9508	1.9889	2.0245	2.0579	2.0895	2.1195	2.1551	2.1888	
0.60 85.45	v	.001012	.001029	2.901	3.062	3.303	3.700	4.016	4.332	4.647	4.961	5.276	5.669	6.061	0.60
	h	50.0	80.0	640.5	649.8	663.9	687.2	706.0	725.0	744.2	763.5	783.1	808.0	833.2	
	s	0.1680	0.2568	1.8195	1.8440	1.8783	1.9306	1.9687	2.0043	2.0377	2.0693	2.0994	2.1350	2.1687	
0.70 89.45	v	.001012	.001029	2.482	2.622	2.828	3.170	3.441	3.712	3.982	4.252	4.521	4.858	5.195	0.70
	h	50.0	80.0	640.2	649.6	663.7	687.1	706.0	724.9	744.1	763.5	783.1	808.0	833.2	
	s	0.1680	0.2568	1.8019	1.8265	1.8610	1.9134	1.9516	1.9872	2.0207	2.0523	2.0823	2.1179	2.1517	
0.80 92.99	v	.001012	.001029	2.169	2.291	2.473	2.772	3.010	3.247	3.483	3.720	3.956	4.251	4.545	0.80
	h	50.0	80.0	639.9	649.4	663.5	687.0	705.9	724.9	744.1	763.5	783.1	807.9	833.2	
	s	0.1680	0.2568	1.7865	1.8113	1.8460	1.8985	1.9368	1.9724	2.0059	2.0375	2.0676	2.1032	2.1370	
0.90 96.18	v	.001012	.001029	1.925	2.034	2.196	2.463	2.674	2.885	3.096	3.306	3.516	3.778	4.040	0.90
	h	50.0	80.0	639.6	649.1	663.3	686.9	705.8	724.8	744.0	763.4	783.0	807.9	833.2	
	s	0.1680	0.2568	1.7729	1.7978	1.8327	1.8853	1.9237	1.9594	1.9929	2.0245	2.0545	2.0902	2.1240	
1.0 99.09	v	.001012	.001029	1.730	1.828	1.975	2.215	2.406	2.596	2.785	2.975	3.164	3.400	3.636	1.0
	h	50.0	80.0	639.3	648.9	663.1	686.8	705.7	724.8	744.0	763.4	783.0	807.9	833.1	
	s	0.1680	0.2568	1.7606	1.7857	1.8207	1.8735	1.9119	1.9477	1.9812	2.0128	2.0429	2.0785	2.1123	
1.5 110.79	v	.001012	.001029	.001044	1.211	1.311	1.473	1.601	1.728	1.855	1.982	2.108	2.265	2.423	1.5
	h	50.0	80.0	100.1	647.6	662.2	686.2	705.3	724.4	743.7	763.2	782.8	807.7	833.0	
	s	0.1680	0.2568	0.3121	1.7385	1.7744	1.8279	1.8666	1.9025	1.9362	1.9679	1.9980	2.0337	2.0675	
2.0 119.61	v	.001012	.001029	.001044	0.9028	0.9788	1.102	1.199	1.295	1.390	1.485	1.580	1.698	1.816	2.0
	h	50.0	80.0	100.1	646.4	661.3	685.6	704.9	724.1	743.5	762.9	782.6	807.6	832.9	
	s	0.1680	0.2568	0.3121	1.7043	1.7409	1.7953	1.8343	1.8704	1.9042	1.9360	1.9661	2.0018	2.0357	
3.0 132.88	v	.001012	.001029	.001044	.001061	0.6466	0.7307	0.7961	0.8606	0.9246	0.9883	1.052	1.131	1.210	3.0
	h	50.0	80.0	100.1	120.3	659.4	684.5	704.0	723.5	742.9	762.5	782.3	807.3	832.6	
	s	0.1680	0.2568	0.3121	0.3648	1.6927	1.7487	1.7884	1.8249	1.8588	1.8908	1.9210	1.9568	1.9907	
4.0 142.92	v	.001012	.001029	.001044	.001061	0.4803	0.5450	0.5948	0.6437	0.6920	0.7400	0.7878	0.8474	0.9068	4.0
	h	50.1	80.1	100.1	120.3	657.5	683.3	703.2	722.8	742.4	762.1	781.9	807.0	832.4	
	s	0.1680	0.2568	0.3121	0.3648	1.6573	1.7150	1.7554	1.7923	1.8265	1.8586	1.8889	1.9248	1.9588	
5.0 151.11	v	.001012	.001029	.001044	.001061	.001091	0.4336	0.4740	0.5135	0.5524	0.5910	0.6294	0.6772	0.7249	5.0
	h	50.1	80.1	100.2	120.4	151.0	682.1	702.3	722.2	741.9	761.7	781.6	806.7	832.1	
	s	0.1680	0.2567	0.3121	0.3648	0.4399	1.6884	1.7295	1.7668	1.8013	1.8335	1.8639	1.8999	1.9339	

: v : m³/kg h : kcal/kg s : kcal/kg°C

압력 kg/cm ² A 포화온도 °C		°C												압력 kg/cm ² A	
		180	200	220	240	260	280	300	320	360	400	450	500		600
6 158.08	v	0.341.5	0.3592	0.3765	0.3935	0.4102	0.4267	0.4431	0.4594	0.4917	0.5238	0.5638	0.6036	0.6829	6
	h	670.1	680.8	691.2	701.4	711.5	721.5	731.5	741.4	761.3	781.2	806.4	831.9	883.9	
	s	1.6431	1.6662	1.6878	1.7081	1.7274	1.7458	1.7635	1.7805	1.8129	1.8435	1.8795	1.9136	1.9769	
7 164.17	v	0.2905	0.3061	0.3212	0.3359	0.3504	0.3647	0.3788	0.3929	0.4207	0.4484	0.4827	0.5169	0.5850	7
	h	668.5	679.5	690.2	700.5	710.8	720.9	730.9	740.9	760.8	780.8	806.1	831.6	883.7	
	s	1.6234	1.6471	1.6691	1.6898	1.7093	1.7279	1.7458	1.7629	1.7954	1.8261	1.8622	1.8963	1.9597	
8 169.61	v	0.2523	0.2662	0.2796	0.2927	0.3056	0.3182	0.3307	0.3430	0.3675	0.3918	0.4220	0.4520	0.5117	8
	h	666.9	678.2	689.1	699.6	710.0	720.2	730.3	740.4	760.4	780.5	805.8	831.3	883.5	
	s	1.6058	1.6302	1.6527	1.6737	1.6935	1.7123	1.7303	1.7475	1.7802	1.8110	1.8472	1.8814	1.9449	
9 174.53	v	0.2224	0.2351	0.2473	0.2591	0.2707	0.2820	0.2932	0.3043	0.3261	0.3478	0.3747	0.4014	0.4546	9
	h	666.2	676.8	687.9	698.7	709.2	719.5	729.7	739.8	760.0	780.1	805.5	831.1	883.3	
	s	1.5899	1.6150	1.6380	1.6593	1.6794	1.6984	1.7165	1.7339	1.7667	1.7976	1.8339	1.8682	1.9317	
10 179.04	v	0.1985	0.2103	0.2214	0.2322	0.2427	0.2530	0.2632	0.2732	0.2930	0.3126	0.3369	0.3610	0.4089	10
	h	663.5	675.4	686.8	697.8	708.4	718.8	729.1	739.3	759.5	779.8	805.2	830.8	883.2	
	s	1.5752	1.6010	1.6245	1.6463	1.6666	1.6859	1.7041	1.7216	1.7546	1.7856	1.8220	1.8563	1.9199	
12 187.08	v	.001 127	0.1709	0.1826	0.1919	0.2008	0.2096	0.2182	0.2267	0.2434	0.2598	0.2802	0.3004	0.3404	12
	h	182.3	672.6	684.5	695.8	706.8	717.4	727.9	738.2	758.7	779.0	804.6	830.3	882.8	
	s	0.5109	1.5761	1.6007	1.6233	1.6442	1.6638	1.6824	1.7002	1.7335	1.7647	1.8013	1.8357	1.8995	
14 194.13	v	.001 127	0.1461	0.1547	0.1630	0.1709	0.1786	0.1861	0.1934	0.2079	0.2221	0.2396	0.2570	0.2915	14
	h	182.3	659.5	682.0	693.8	705.1	716.0	726.7	737.1	757.8	778.3	804.0	829.8	882.4	
	s	0.5108	1.5540	1.5798	1.6032	1.6248	1.6449	1.6638	1.6818	1.7155	1.7469	1.7837	1.8182	1.8822	
16 200.43	v	.001 127	.001 157	0.1338	0.1413	0.1484	0.1552	0.1619	0.1685	0.1813	0.1938	0.2093	0.2246	0.2548	16
	h	182.3	203.6	679.5	691.7	703.3	714.5	725.4	736.0	756.9	777.6	803.3	829.3	882.0	
	s	0.5108	0.5567	1.5610	1.5853	1.6075	1.6281	1.6474	1.6657	1.6998	1.7314	1.7683	1.8030	1.8671	
18 206.15	v	.001 127	.001 156	0.1175	0.1244	0.1309	0.1371	0.1431	0.1490	0.1606	0.1718	0.1856	0.1993	0.2263	18
	h	182.4	203.6	676.8	689.6	701.6	713.0	724.1	734.9	756.0	776.8	802.7	828.8	881.6	
	s	0.5107	0.5566	1.5437	1.5690	1.5920	1.6131	1.6327	1.6513	1.6857	1.7176	1.7547	1.7895	1.8538	
20 211.39	v	.001 127	.001 156	0.1044	0.1108	0.1168	0.1226	0.1281	0.1335	0.1440	0.1542	0.1667	0.1791	0.2035	20
	h	182.4	203.6	674.1	687.3	699.7	711.5	722.8	733.8	755.1	776.1	802.1	828.2	881.2	
	s	0.5106	0.5565	1.5276	1.5540	1.5777	1.5993	1.6194	1.6382	1.6731	1.7052	1.7425	1.7774	1.8418	
25 222.91	v	.001 126	.001 156	.001 190	0.08627	0.09148	0.09637	0.1010	0.1055	0.1141	0.1225	0.1327	0.1427	0.1624	25
	h	182.4	203.7	225.4	681.4	694.9	707.5	719.4	730.8	752.8	774.2	800.6	827.0	880.3	
	s	0.5105	0.5563	0.6013	1.5202	1.5459	1.5691	1.5902	1.6099	1.6458	1.6785	1.7163	1.7516	1.8164	
30 232.76	v	.001 126	.001 155	.001 189	0.06977	0.07448	0.07882	0.08291	0.08681	0.09424	0.1014	0.1100	0.1184	0.1350	30
	h	182.5	203.7	225.4	675.0	689.7	703.2	715.8	727.8	750.5	772.3	799.0	825.6	879.3	
	s	0.5103	0.5562	0.6011	1.4900	1.5181	1.5429	1.5653	1.5858	1.6229	1.6563	1.6946	1.7302	1.7955	
35 241.42	v	.001 125	.001 155	.001 189	.001 229	0.06224	0.06623	0.06993	0.07343	0.08001	0.08625	0.09377	0.1011	0.1154	35
	h	182.6	203.8	225.5	247.8	684.2	698.7	712.0	724.6	748.1	770.4	797.5	824.3	878.3	
	s	0.5102	0.5560	0.6009	0.6453	1.4928	1.5195	1.5432	1.5647	1.6030	1.6372	1.6761	1.7120	1.7777	
40 249.18	v	.001 125	.001 154	.001 188	.001 228	0.05298	0.05673	0.06016	0.06336	0.06932	0.07491	0.08160	0.08810	0.1007	40
	h	182.6	203.8	225.5	247.8	678.3	693.9	708.1	721.3	745.6	768.4	795.9	823.0	877.4	
	s	0.5100	0.5558	0.6007	0.6451	1.4690	1.4979	1.5231	1.5456	1.5853	1.6203	1.6597	1.6960	1.7621	
45 256.22	v	.001 125	.001 154	.001 187	.001 227	0.04568	0.04929	0.05252	0.05551	0.06099	0.06609	0.07214	0.07799	0.08934	45
	h	182.7	203.9	225.5	247.9	671.8	688.9	704.0	717.8	743.0	766.4	794.3	821.7	876.4	
	s	0.5099	0.5556	0.6004	0.6448	1.4462	1.4775	1.5044	1.5281	1.5693	1.6050	1.6451	1.6817	1.7483	
50 262.69	v	.001 124	.001 153	.001 187	.001 227	.001 275	0.04327	0.04637	0.04920	0.05432	0.05902	0.06457	0.06990	0.08020	50
	h	182.7	203.9	225.6	247.9	271.1	683.5	699.6	714.2	740.4	764.3	792.7	820.4	875.4	
	s	0.5097	0.5554	0.6002	0.6445	0.6889	1.4580	1.4867	1.5117	1.5545	1.5911	1.6318	1.6688	1.7358	
60 274.28	v	.001 123	.001 152	.001 186	.001 225	.001 273	0.03408	0.03706	0.03967	0.04428	0.04841	0.05320	0.05777	0.06651	60
	h	182.9	204.0	225.6	247.9	271.0	671.5	690.3	706.6	734.9	760.1	789.4	817.7	873.5	
	s	0.5094	0.5551	0.5998	0.6440	0.6883	1.4201	1.4534	1.4814	1.5277	1.5663	1.6083	1.6461	1.7140	
70 284.47	v	.001 123	.001 151	.001 184	.001 224	.001 271	.001 331	0.03026	0.03278	0.03707	0.04080	0.04508	0.04909	0.05673	70
	h	183.0	204.1	225.7	247.9	271.0	295.4	679.7	698.2	729.1	755.7	786.0	815.0	871.6	
	s	0.5091	0.5547	0.5994	0.6435	0.6876	0.7325	1.4214	1.4531	1.5035	1.5443	1.5878	1.6265	1.6953	
80 293.61	v	.001 122	.001 150	.001 183	.001 222	.001 269	.001 328	0.02500	0.02753	0.03162	0.03509	0.03897	0.04259	0.04939	80
	h	183.1	204.2	225.8	247.9	271.0	295.2	667.7	689.1	723.0	751.1	782.6	812.2	869.6	
	s	0.5088	0.5543	0.5990	0.6430	0.6870	0.7317	1.3891	1.4259	1.4812	1.5243	1.5695	1.6091	1.6789	

: v : m³/kg h : kcal/kg s : kcal/kg°C

