

Isentropic Flow (for air, $k=1.4$)

M	p/p_0	T/T_0	A/A^*	M	p/p_0	T/T_0	A/A^*
0	1.0000	1.0000	∞	.96	.5532	.8444	1.0014
.02	.9997	.9999	28.9421	.98	.5407	.8389	1.0003
.04	.9989	.9997	14.4815	1.00	.5283	.8333	1.000
.06	.9975	.9993	9.6659	1.02	.5160	.8278	1.000
.08	.9955	.9987	7.2616	1.04	.5039	.8222	1.001
.10	.9930	.9980	5.8218	1.06	.4919	.8165	1.003
.12	.9900	.9971	4.8643	1.08	.4800	.8108	1.005
.14	.9864	.9961	4.1824	1.10	.4684	.8052	1.008
.16	.9823	.9949	3.6727	1.12	.4568	.7994	1.011
.18	.9776	.9936	3.2779	1.14	.4455	.7937	1.015
.20	.9725	.9921	2.9635	1.16	.4343	.7879	1.020
.22	.9668	.9904	2.7076	1.18	.4232	.7822	1.025
.24	.9607	.9886	2.4956	1.20	.4124	.7764	1.030
.26	.9541	.9867	2.3173	1.22	.4017	.7706	1.037
.28	.9470	.9846	2.1656	1.24	.3912	.7648	1.043
.30	.9395	.9823	2.0351	1.26	.3809	.7590	1.050
.32	.9315	.9799	1.9219	1.28	.3708	.7532	1.058
.34	.9231	.9774	1.8229	1.30	.3609	.7474	1.066
.36	.9143	.9747	1.7358	1.32	.3512	.7416	1.075
.38	.9052	.9719	1.6587	1.34	.3417	.7358	1.084
.40	.8956	.9690	1.5901	1.36	.3323	.7300	1.094
.42	.8857	.9659	1.5289	1.38	.3232	.7242	1.104
.44	.8755	.9627	1.4740	1.40	.3142	.7184	1.115
.46	.8650	.9594	1.4246	1.42	.3055	.7126	1.126
.48	.8541	.9560	1.3801	1.44	.2969	.7069	1.138
.50	.8430	.9524	1.3398	1.46	.2886	.7011	1.150
.52	.8317	.9487	1.3034	1.48	.2804	.6954	1.163
.54	.8201	.9449	1.2703	1.50	.2724	.6897	1.176
.56	.8082	.9410	1.2403	1.52	.2646	.6840	1.190
.58	.7962	.9370	1.2130	1.54	.2570	.6783	1.204
.60	.7840	.9328	1.1882	1.56	.2496	.6726	1.219
.62	.7716	.9286	1.1657	1.58	.2423	.6670	1.234
.64	.7591	.9243	1.1452	1.60	.2353	.6614	1.250
.66	.7465	.9199	1.1265	1.62	.2284	.6558	1.267
.68	.7338	.9153	1.1097	1.64	.2217	.6502	1.284
.70	.7209	.9107	1.0944	1.66	.2151	.6447	1.301
.72	.7080	.9061	1.0806	1.68	.2088	.6392	1.319
.74	.6951	.9013	1.0681	1.70	.2026	.6337	1.338
.76	.6821	.8964	1.0570	1.72	.1966	.6283	1.357
.78	.6691	.8915	1.0471	1.74	.1907	.6229	1.376
.80	.6560	.8865	1.0382	1.76	.1850	.6175	1.397
.82	.6430	.8815	1.0305	1.78	.1794	.6121	1.418
.84	.6300	.8763	1.0237	1.80	.1740	.6068	1.439
.86	.6170	.8711	1.0179	1.82	.1688	.6015	1.461
.88	.6041	.8659	1.0129	1.84	.1637	.5963	1.484
.90	.5913	.8606	1.0089	1.86	.1587	.5910	1.507
.92	.5785	.8552	1.0056	1.88	.1539	.5859	1.531
.94	.5658	.8498	1.0031	1.90	.1492	.5807	1.555

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M	p/p_0	T/T_0	A/A^*	M	p/p_0	T/T_0	A/A^*
1.92	.1447	.5756	1.580	2.92	.3071 ⁻¹	.3696	3.924
1.94	.1403	.5705	1.606	2.94	.2980 ⁻¹	.3665	3.999
1.96	.1360	.5655	1.633	2.96	.2891 ⁻¹	.3633	4.076
1.98	.1318	.5605	1.660	2.98	.2805 ⁻¹	.3602	4.155
2.00	.1278	.5556	1.688	3.00	.2722 ⁻¹	.3571	4.235
2.02	.1239	.5506	1.716	3.02	.2642 ⁻¹	.3541	4.316
2.04	.1201	.5458	1.745	3.04	.2564 ⁻¹	.3511	4.399
2.06	.1164	.5409	1.775	3.06	.2489 ⁻¹	.3481	4.483
2.08	.1128	.5361	1.806	3.08	.2416 ⁻¹	.3452	4.570
2.10	.1094	.5313	1.837	3.10	.2345 ⁻¹	.3422	4.657
2.12	.1060	.5266	1.869	3.12	.2276 ⁻¹	.3393	4.747
2.14	.1027	.5219	1.902	3.14	.2210 ⁻¹	.3365	4.838
2.16	.9956 ⁻¹	.5173	1.935	3.16	.2146 ⁻¹	.3337	4.930
2.18	.9649 ⁻¹	.5127	1.970	3.18	.2083 ⁻¹	.3309	5.025
2.20	.9352 ⁻¹	.5081	2.005	3.20	.2023 ⁻¹	.3281	5.121
2.22	.9064 ⁻¹	.5036	2.041	3.22	.1964 ⁻¹	.3253	5.219
2.24	.8785 ⁻¹	.4991	2.078	3.24	.1908 ⁻¹	.3226	5.319
2.26	.8514 ⁻¹	.4947	2.115	3.26	.1853 ⁻¹	.3199	5.420
2.28	.8251 ⁻¹	.4903	2.154	3.28	.1799 ⁻¹	.3173	5.523
2.30	.7997 ⁻¹	.4859	2.193	3.30	.1748 ⁻¹	.3147	5.629
2.32	.7751 ⁻¹	.4816	2.233	3.32	.1698 ⁻¹	.3121	5.736
2.34	.7512 ⁻¹	.4773	2.274	3.34	.1649 ⁻¹	.3095	5.845
2.36	.7281 ⁻¹	.4731	2.316	3.36	.1602 ⁻¹	.3069	5.956
2.38	.7057 ⁻¹	.4688	2.359	3.38	.1557 ⁻¹	.3044	6.069
2.40	.6840 ⁻¹	.4647	2.403	3.40	.1512 ⁻¹	.3019	6.184
2.42	.6630 ⁻¹	.4606	2.448	3.42	.1470 ⁻¹	.2995	6.301
2.44	.6426 ⁻¹	.4565	2.494	3.44	.1428 ⁻¹	.2970	6.420
2.46	.6229 ⁻¹	.4524	2.540	3.46	.1388 ⁻¹	.2946	6.541
2.48	.6038 ⁻¹	.4484	2.588	3.48	.1349 ⁻¹	.2922	6.664
2.50	.5853 ⁻¹	.4444	2.637	3.50	.1311 ⁻¹	.2899	6.790
2.52	.5674 ⁻¹	.4405	2.686	3.52	.1274 ⁻¹	.2875	6.917
2.54	.5500 ⁻¹	.4366	2.737	3.54	.1239 ⁻¹	.2852	7.047
2.56	.5332 ⁻¹	.4328	2.789	3.56	.1204 ⁻¹	.2829	7.179
2.58	.5169 ⁻¹	.4289	2.842	3.58	.1171 ⁻¹	.2806	7.313
2.60	.5012 ⁻¹	.4252	2.896	3.60	.1138 ⁻¹	.2784	7.450
2.62	.4859 ⁻¹	.4214	2.951	3.62	.1107 ⁻¹	.2762	7.589
2.64	.4711 ⁻¹	.4177	3.007	3.64	.1076 ⁻¹	.2740	7.730
2.66	.4568 ⁻¹	.4141	3.065	3.66	.1047 ⁻¹	.2718	7.874
2.68	.4429 ⁻¹	.4104	3.123	3.68	.1018 ⁻¹	.2697	8.020
2.70	.4295 ⁻¹	.4068	3.183	3.70	.9903 ⁻²	.2675	8.169
2.72	.4165 ⁻¹	.4033	3.244	3.72	.9633 ⁻²	.2654	8.320
2.74	.4039 ⁻¹	.3998	3.306	3.74	.9370 ⁻²	.2633	8.474
2.76	.3917 ⁻¹	.3963	3.370	3.76	.9116 ⁻²	.2613	8.630
2.78	.3799 ⁻¹	.3928	3.434	3.78	.8869 ⁻²	.2592	8.789
2.80	.3685 ⁻¹	.3894	3.500	3.80	.8629 ⁻²	.2572	8.951
2.82	.3574 ⁻¹	.3860	3.567	3.82	.8396 ⁻²	.2552	9.115
2.84	.3467 ⁻¹	.3827	3.636	3.84	.8171 ⁻²	.2532	9.282
2.86	.3363 ⁻¹	.3794	3.706	3.86	.7951 ⁻²	.2513	9.451
2.88	.3263 ⁻¹	.3761	3.777	3.88	.7739 ⁻²	.2493	9.624
2.90	.3165 ⁻¹	.3729	3.850	3.90	.7532 ⁻²	.2474	9.799

Isentropic Flow (for air, k=1.4)

M	p/p_0	T/T_0	A/A^*	M	p/p_0	T/T_0	A/A^*
3.92	.7332 ⁻²	.2455	9.977	4.54	.3288 ⁻²	.1952	17.13
3.94	.7137 ⁻²	.2436	10.16	4.56	.3207 ⁻²	.1938	17.42
3.96	.6948 ⁻²	.2418	10.34	4.58	.3129 ⁻²	.1925	17.72
3.98	.6764 ⁻²	.2399	10.53	4.60	.3053 ⁻²	.1911	18.02
4.00	.6586 ⁻²	.2381	10.72	4.62	.2978 ⁻²	.1898	18.32
4.02	.6413 ⁻²	.2363	10.91	4.64	.2906 ⁻²	.1885	18.63
4.04	.6245 ⁻²	.2345	11.11	4.66	.2836 ⁻²	.1872	18.94
4.06	.6082 ⁻²	.2327	11.31	4.68	.2768 ⁻²	.1859	19.26
4.08	.5923 ⁻²	.2310	11.51	4.70	.2701 ⁻²	.1846	19.58
4.10	.5769 ⁻²	.2293	11.71	4.72	.2637 ⁻²	.1833	19.91
4.12	.5619 ⁻²	.2275	11.92	4.74	.2573 ⁻²	.1820	20.24
4.14	.5474 ⁻²	.2258	12.14	4.76	.2512 ⁻²	.1808	20.58
4.16	.5333 ⁻²	.2242	12.35	4.78	.2452 ⁻²	.1795	20.92
4.18	.5195 ⁻²	.2225	12.57	4.80	.2394 ⁻²	.1783	21.26
4.20	.5062 ⁻²	.2208	12.79	4.82	.2338 ⁻²	.1771	21.61
4.22	.4932 ⁻²	.2192	13.02	4.84	.2283 ⁻²	.1759	21.97
4.24	.4806 ⁻²	.2176	13.25	4.86	.2229 ⁻²	.1747	22.33
4.26	.4684 ⁻²	.2160	13.48	4.88	.2177 ⁻²	.1735	22.70
4.28	.4565 ⁻²	.2144	13.72	4.90	.2126 ⁻²	.1724	23.07
4.30	.4449 ⁻²	.2129	13.95	4.92	.2076 ⁻²	.1712	23.44
4.32	.4337 ⁻²	.2113	14.20	4.94	.2028 ⁻²	.1700	23.82
4.34	.4228 ⁻²	.2098	14.45	4.96	.1981 ⁻²	.1689	24.21
4.36	.4121 ⁻²	.2083	14.70	4.98	.1935 ⁻²	.1678	24.60
4.38	.4018 ⁻²	.2067	14.95	5.00	.1890 ⁻²	.1667	25.00
4.40	.3918 ⁻²	.2053	15.21	6.00	.0633 ⁻²	.1219	53.19
4.42	.3820 ⁻²	.2038	15.47	7.00	.0242 ⁻²	.0926	104.14
4.44	.3725 ⁻²	.2023	15.74	8.00	.0102 ⁻²	.0725	109.11
4.46	.3633 ⁻²	.2009	16.01	9.00	.0474 ⁻³	.0582	327.19
4.48	.3543 ⁻²	.1994	16.28	10.00	.0236 ⁻³	.0476	535.94
4.50	.3455 ⁻²	.1980	16.56	∞	0	0	∞
4.52	.3370 ⁻²	.1966	16.84				