

HYDROGEN Gas Pressure Loss Data in (Mbar / m) in Steel Tube (12.94MJ/m³)

Heat Input Gross	Heat Input Net	GAS RATE M3/HR	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m
			1/4"	3/8"	1/2"	3/4"	1"	1, 1/4"
0.36	0.30	0.1	0.00724					
0.72	0.61	0.2	0.01626	0.00384				
1.08	0.91	0.3	0.02781	0.00634	0.00204			
1.44	1.22	0.4	0.04150	0.00928	0.00293	0.00082		
1.80	1.52	0.5	0.05717	0.01262	0.00393	0.00108	0.000402	
2.16	1.82	0.6	0.07466	0.01632	0.00504	0.00137	0.000504	0.000154
2.52	2.13	0.7	0.09390	0.02038	0.00625	0.00169	0.000614	0.000186
2.88	2.43	0.8	0.11479	0.02477	0.00755	0.00203	0.000733	0.000220
3.23	2.73	0.9	0.13728	0.02947	0.00895	0.00239	0.000858	0.000255
3.59	3.04	1	0.16131	0.03449	0.01043	0.00277	0.000991	0.000293
3.95	3.34	1.1	0.18684	0.03981	0.01200	0.00317	0.001132	0.000333
4.31	3.65	1.2	0.21382	0.04541	0.01365	0.00359	0.001278	0.000374
4.67	3.95	1.3	0.24223	0.05131	0.01539	0.00404	0.001432	0.000417
5.03	4.25	1.4	0.27202	0.05747	0.01720	0.00450	0.001592	0.000462
5.39	4.56	1.5	0.30318	0.06392	0.01909	0.00498	0.001758	0.000509
5.75	4.86	1.6	0.33568	0.07062	0.02106	0.00548	0.001931	0.000557
6.11	5.17	1.7	0.36948	0.07759	0.02309	0.00600	0.002110	0.000607
6.47	5.47	1.8	0.40458	0.08482	0.02521	0.00654	0.002294	0.000659
6.83	5.77	1.9	0.44096	0.09230	0.02739	0.00709	0.002485	0.000712
7.19	6.08	2	0.47858	0.10003	0.02965	0.00766	0.002681	0.000767
7.55	6.38	2.1	0.51744	0.10800	0.03197	0.00825	0.002883	0.000823
7.91	6.68	2.2	0.55753	0.11622	0.03437	0.00886	0.003090	0.000881
8.27	6.99	2.3	0.59881	0.12468	0.03683	0.00948	0.003303	0.000940
8.63	7.29	2.4	0.64129	0.13337	0.03936	0.01012	0.003522	0.001001
8.99	7.60	2.5	0.68495	0.14230	0.04195	0.01077	0.003746	0.001063
9.35	7.90	2.6	0.72977	0.15146	0.04462	0.01144	0.003975	0.001126
9.70	8.20	2.7	0.77575	0.16085	0.04734	0.01213	0.004209	0.001191
10.06	8.51	2.8	0.82286	0.17047	0.05013	0.01283	0.004449	0.001258
10.42	8.81	2.9	0.87111	0.18031	0.05299	0.01355	0.004694	0.001325
10.78	9.12	3	0.92048	0.19037	0.05590	0.01428	0.004944	0.001394
11.14	9.42	3.1	0.97097	0.20066	0.05888	0.01503	0.005199	0.001465
11.50	9.72	3.2	1.02255	0.21116	0.06192	0.01579	0.005459	0.001537
11.86	10.03	3.3	1.07523	0.22188	0.06502	0.01657	0.005724	0.001610
12.22	10.33	3.4	1.12899	0.23281	0.06819	0.01736	0.005994	0.001684
12.58	10.63	3.5	1.18383	0.24396	0.07141	0.01817	0.006269	0.001760
12.94	10.94	3.6	1.23974	0.25531	0.07469	0.01899	0.006548	0.001837
13.30	11.24	3.7	1.29671	0.26688	0.07804	0.01983	0.006833	0.001915
13.66	11.55	3.8	1.35473	0.27866	0.08144	0.02068	0.007122	0.001995
14.02	11.85	3.9	1.41379	0.29064	0.08490	0.02154	0.007416	0.002075
14.38	12.15	4	1.47390	0.30283	0.08842	0.02242	0.007715	0.002157
14.74	12.46	4.1	1.53504	0.31523	0.09199	0.02332	0.008018	0.002241
15.10	12.76	4.2	1.59721	0.32783	0.09563	0.02422	0.008326	0.002325
15.46	13.07	4.3	1.66040	0.34063	0.09932	0.02514	0.008638	0.002411
15.82	13.37	4.4	1.72460	0.35363	0.10306	0.02608	0.008956	0.002498
16.17	13.67	4.5	1.78981	0.36682	0.10687	0.02703	0.009277	0.002586
16.53	13.98	4.6	1.85602	0.38022	0.11073	0.02799	0.009603	0.002676
16.89	14.28	4.7	1.92323	0.39382	0.11464	0.02897	0.009934	0.002766
17.25	14.58	4.8	1.99144	0.40761	0.11861	0.02996	0.010269	0.002858
17.61	14.89	4.9	2.06063	0.42159	0.12264	0.03096	0.010609	0.002951
17.97	15.19	5	2.13080	0.43577	0.12672	0.03197	0.010953	0.003045
18.33	15.50	5.1	2.20195	0.45015	0.13085	0.03300	0.011301	0.003140
18.69	15.80	5.2	2.27407	0.46471	0.13504	0.03405	0.011654	0.003237
19.05	16.10	5.3	2.34716	0.47947	0.13928	0.03510	0.012011	0.003334
19.41	16.41	5.4	2.42122	0.49442	0.14358	0.03617	0.012372	0.003433
19.77	16.71	5.5	2.49623	0.50955	0.14793	0.03725	0.012738	0.003533
20.13	17.02	5.6	2.57220	0.52488	0.15233	0.03835	0.013108	0.003634
20.49	17.32	5.7	2.64912	0.54039	0.15679	0.03945	0.013482	0.003736
20.85	17.62	5.8	2.72698	0.55609	0.16129	0.04057	0.013860	0.003840



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21.57	18.23	6		0.5880	0.17047	0.04285	0.01463	0.004050
22.29	18.84	6.2	3.0478	0.6207	0.17985	0.04518	0.01542	0.004264
23.00	19.45	6.4		0.6542	0.18944	0.04756	0.01622	0.004483
23.72	20.05	6.6		0.6883	0.19923	0.04999	0.01704	0.004706
24.44	20.66	6.8		0.7232	0.20922	0.05246	0.01787	0.004933
25.16	21.27	7	3.7338	0.7588	0.21942	0.05499	0.01873	0.005165
25.88	21.88	7.2		0.7951	0.22981	0.05756	0.01959	0.005401
26.60	22.48	7.4		0.8321	0.24041	0.06019	0.02048	0.005642
27.32	23.09	7.6		0.8697	0.25120	0.06286	0.02138	0.005886
28.04	23.70	7.8		0.9081	0.26219	0.06557	0.02229	0.006135
28.76	24.31	8	4.6772	0.9472	0.27337	0.06834	0.02322	0.006387
29.47	24.91	8.2		0.9870	0.28474	0.07115	0.02417	0.006644
30.19	25.52	8.4		1.0275	0.29631	0.07401	0.02513	0.006905
30.91	26.13	8.6		1.0686	0.30807	0.07691	0.02611	0.007170
31.63	26.74	8.8		1.1104	0.32002	0.07986	0.02710	0.007439
32.35	27.35	9	5.6979	1.1529	0.33215	0.08286	0.02810	0.007712
33.07	27.95	9.2		1.1960	0.34448	0.08590	0.02913	0.007989
33.79	28.56	9.4		1.2398	0.35699	0.08899	0.03016	0.008270
34.51	29.17	9.6		1.2843	0.36968	0.09212	0.03122	0.008555
35.23	29.78	9.8		1.3295	0.38257	0.09529	0.03228	0.008844
35.94	30.38	10	6.8085	1.3752	0.39563	0.09852	0.03336	0.009136
36.66	30.99	10.2		1.4217	0.40888	0.10178	0.03446	0.009433
37.38	31.60	10.4		1.4688	0.42231	0.10509	0.03557	0.009733
38.10	32.21	10.6		1.5165	0.43592	0.10844	0.03669	0.010038
38.82	32.81	10.8		1.5649	0.44971	0.11184	0.03783	0.010346
39.54	33.42	11		1.6139	0.46368	0.11528	0.03899	0.010657
40.26	34.03	11.2		1.6635	0.47783	0.11876	0.04015	0.010973
40.98	34.64	11.4		1.7138	0.49216	0.12229	0.04134	0.011292
41.70	35.25	11.6		1.7647	0.50666	0.12586	0.04253	0.011616
42.41	35.85	11.8		1.8163	0.52135	0.12947	0.04374	0.011942
43.13	36.46	12	9.2764	1.8684	0.53620	0.13312	0.04497	0.012273
43.85	37.07	12.2		1.9212	0.55123	0.13682	0.04621	0.012607
44.57	37.68	12.4		1.9746	0.56644	0.14055	0.04746	0.012945
45.29	38.28	12.6			0.58182	0.14433	0.04872	0.013287
46.01	38.89	12.8			0.59737	0.14816	0.05000	0.013632
46.73	39.50	13			0.61310	0.15202	0.05130	0.013981
47.45	40.11	13.2			0.62900	0.15592	0.05260	0.014333
48.17	40.71	13.4			0.64506	0.15987	0.05392	0.014689
48.88	41.32	13.6			0.66130	0.16386	0.05526	0.015049
49.60	41.93	13.8			0.67771	0.16789	0.05661	0.015412
50.32	42.54	14	12.0623	2.4240	0.69429	0.17196	0.05797	0.015779
51.04	43.15	14.2			0.71103	0.17607	0.05934	0.016149
51.76	43.75	14.4			0.72795	0.18022	0.06073	0.016523
52.48	44.36	14.6			0.74503	0.18441	0.06213	0.016900
53.20	44.97	14.8			0.76228	0.18864	0.06355	0.017281
53.92	45.58	15			0.77969	0.19291	0.06497	0.017665
54.64	46.18	15.2			0.79727	0.19722	0.06641	0.018053