Approximate Hydrogen Gas Pressure Loss Data in (Mbar / m) in Copper Tube

Input Gross	Input Net	GAS RATE M3/HR	Pressure loss / m 8mm	Pressure loss / m 10mm	Pressure loss / m 12mm	Pressure loss / m 15mm	Pressure loss / m 22mm	Pressure loss / m 28mm	Pressure loss / m 35mm
0.35	0.32	**0.1**	0.02451						
0.71	0.64	**0.2**	0.05932	0.01709					
1.06	0.96	**0.3**	0.10441	0.02940	0.01112	0.00359			
1.41	1.28	**0.4**	0.15848	0.04405	0.01646	0.00524	0.00102527		
1.76	1.60	**0.5**	0.22076	0.06082	0.02255	0.00710	0.00136358	0.00042230	
2.12	1.92	**0.6**	0.29073	0.07958	0.02934	0.00916	0.00173651	0.00053129	0.00018606
2.47	2.25	**0.7**	0.36800	0.10022	0.03678	0.01142	0.00214195	0.00064936	0.00022517
2.82	2.57	**0.8**	0.45224	0.12265	0.04486	0.01386	0.00257831	0.00077601	0.00026702
3.18	2.89	**0.9**	0.54319	0.14682	0.05354	0.01647	0.00304429	0.00091086	0.00031147
3.53	3.21	**1**	0.64064	0.17266	0.06280	0.01926	0.00353883	0.00105361	0.00035840
3.88	3.53	**1.1**	0.74441	0.20012	0.07263	0.02221	0.00406103	0.00120398	0.00040775
4.23	3.85	**1.2**	0.85432	0.22916	0.08301	0.02532	0.00461009	0.00136177	0.00045942
4.59	4.17	**1.3**	0.97024	0.25974	0.09393	0.02858	0.00518532	0.00152676	0.00051337
4.94	4.49	**1.4**	1.09203	0.29183	0.10537	0.03200	0.00578611	0.00169880	0.00056952
5.29	4.81	**1.5**	1.21959	0.32540	0.11733	0.03557	0.00641190	0.00187771	0.00062783
5.64	5.13	**1.6**	1.35280	0.36042	0.12979	0.03929	0.00706219	0.00206336	0.00068826
6.00	5.45	**1.7**	1.49156	0.39686	0.14275	0.04314	0.00773652	0.00225561	0.00075075
6.35	5.77	**1.8**	1.63581	0.43470	0.15620	0.04714	0.00843447	0.00245436	0.00081529
6.70	6.09	**1.9**	1.78544	0.47393	0.17013	0.05128	0.00915566	0.00265950	0.00088182
7.06	6.41	**2**	1.94038	0.51451	0.18453	0.05556	0.00989972	0.00287091	0.00095032
7.41	6.74	**2.1**		0.55644	0.19940	0.05997	0.01067	0.0030885	0.0010208
7.76	7.06	**2.2**		0.59969	0.21473	0.06451	0.01146	0.0033122	0.0010931
8.11	7.38	**2.3**		0.64425	0.23052	0.06919	0.01227	0.0035419	0.0011673
8.47	7.70	**2.4**		0.69011	0.24675	0.07400	0.01310	0.0037776	0.0012434
8.82	8.02	**2.5**		0.73724	0.26343	0.07893	0.01395	0.0040191	0.0013213
9.17	8.34	**2.6**		0.78564	0.28055	0.08399	0.01483	0.0042664	0.0014011
9.53	8.66	**2.7**		0.83529	0.29810	0.08918	0.01572	0.0045195	0.0014826
9.88	8.98	**2.8**		0.88618	0.31609	0.09449	0.01664	0.0047782	0.0015659
10.23	9.30	**2.9**		0.93830	0.33450	0.09993	0.01758	0.0050426	0.0016509
10.58	9.62	**3**	3.76861	0.99164	0.35333	0.10548	0.01853	0.0053125	0.0017377
10.94	9.94	**3.1**		1.04618	0.37259	0.11116	0.01951	0.0055879	0.0018262
11.29	10.26	**3.2**		1.10192	0.39226	0.11696	0.02051	0.0058688	0.0019165
11.64	10.58	**3.3**		1.15885	0.41234	0.12288	0.02153	0.0061551	0.0020084
12.00	10.90	**3.4**		1.21696	0.43283	0.12891	0.02256	0.0064467	0.0021019
12.35	11.23	**3.5**		1.27624	0.45372	0.13506	0.02362	0.0067437	0.0021972
12.70	11.55	**3.6**		1.33668	0.47502	0.14133	0.02470	0.0070459	0.0022941
13.05	11.87	**3.7**		1.39827	0.49672	0.14772	0.02579	0.0073534	0.0023926
13.41	12.19	**3.8**		1.46101	0.51881	0.15421	0.02690	0.0076660	0.0024927
13.76	12.51	**3.9**		1.52488	0.54130	0.16083	0.02804	0.0079838	0.0025944
14.11	12.83	**4**	6.07437	1.58988	0.56419	0.16755	0.02919	0.0083068	0.0026978
14.46	13.15	**4.1**		1.65601	0.58746	0.17439	0.03036	0.008635	0.002803
14.82	13.47	**4.2**		1.72325	0.61111	0.18133	0.03155	0.008968	0.002909
15.17	13.79	**4.3**		1.79160	0.63515	0.18839	0.03275	0.009306	0.003017
15.52	14.11	**4.4**		1.86105	0.65958	0.19556	0.03398	0.009649	0.003127
15.88	14.43	**4.5**		1.93160	0.68438	0.20284	0.03522	0.009997	0.003238
16.23	14.75	**4.6**			0.70956	0.21023	0.03648	0.010350	0.003351
16.58	15.07	**4.7**			0.73512	0.21772	0.03776	0.010708	0.003465
16.93	15.39	**4.8**			0.76105	0.22532	0.03906	0.011070	0.003581
17.29	15.72	**4.9**			0.78735	0.23303	0.04037	0.011438	0.003698
17.64	16.04	**5**	8.81558	2.30058	0.81402	0.24085	0.04170	0.011810	0.003817
17.99	16.36	**5.1**			0.84106	0.24877	0.04305	0.012187	0.003937
18.35	16.68	**5.2**			0.86846	0.25680	0.04442	0.012569	0.004058
18.70	17.00	**5.3**			0.89623	0.26493	0.04580	0.012956	0.004182
19.05	17.32	**5.4**			0.92436	0.27317	0.04721	0.013347	0.004306
19.40	17.64	**5.5**			0.95286	0.28151	0.04863	0.013743	0.004432
19.76	17.96	**5.6**			0.98171	0.28995	0.05006	0.014143	0.004560
20.11	18.28	**5.7**			1.01092	0.29850	0.05151	0.014549	0.004689
20.46	18.60	**5.8**			1.04048	0.30714	0.05298	0.014959	0.004819

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21.17	19.24	6			1.1007	0.3247	0.05597	0.01579	0.00508
21.87	19.89	6.2	12.6588	3.2934	1.1623	0.3428	0.05903	0.01664	0.00536
22.58	20.53	6.4			1.2253	0.3612	0.06215	0.01751	0.00563
23.28	21.17	6.6			1.2897	0.3800	0.06534	0.01840	0.00591
23.99	21.81	6.8			1.3554	0.3992	0.06860	0.01931	0.00620
24.70	22.45	7	15.5404	4.0364	1.4225	0.4188	0.07192	0.02023	0.00649
25.40	23.09	7.2			1.4910	0.4387	0.07530	0.02117	0.00679
26.11	23.73	7.4			1.5608	0.4591	0.07874	0.02213	0.00710
26.81	24.38	7.6			1.6320	0.4799	0.08225	0.02310	0.00741
27.52	25.02	7.8	18.6691	4.8421	1.7044	0.5010	0.08583	0.02410	0.00772
28.22	25.66	8			1.7783	0.5225	0.08946	0.02510	0.00804
28.93	26.30	8.2			1.8534	0.5444	0.09316	0.02613	0.00836
29.64	26.94	8.4			1.9298	0.5667	0.09692	0.02717	0.00869
30.34	27.58	8.6	22.0388	5.7090	2.0075	0.5893	0.10074	0.02823	0.00903
31.05	28.22	8.8				0.6123	0.10462	0.02931	0.00937
31.75	28.87	9				0.6357	0.10856	0.03040	0.00972
32.46	29.51	9.2				0.6594	0.11256	0.03151	0.01007
33.16	30.15	9.4	25.6441	6.6356	2.3312	0.6835	0.11663	0.03264	0.01042
33.87	30.79	9.6				0.7080	0.12075	0.03378	0.01078
34.57	31.43	9.8				0.7328	0.12493	0.03493	0.01115
35.28	32.07	10				0.7580	0.12917	0.03611	0.01152
35.99	32.71	10.2	29.4804	7.6207	2.6751	0.7835	0.13347	0.03730	0.01189
36.69	33.36	10.4				0.8094	0.13782	0.03850	0.01228
37.40	34.00	10.6				0.8356	0.14224	0.03972	0.01266
38.10	34.64	10.8				0.8622	0.14671	0.04096	0.01305
38.81	35.28	11	33.5435	8.6633	3.0388	0.8892	0.15124	0.04221	0.01345
39.51	35.92	11.2				0.9165	0.15583	0.04348	0.01385
40.22	36.56	11.4				0.9441	0.16047	0.04476	0.01425
40.92	37.20	11.6				0.9721	0.16517	0.04606	0.01466
41.63	37.85	11.8	37.8296	9.7623	3.4219	1.0005	0.16993	0.04738	0.01508
42.34	38.49	12				1.0291	0.17475	0.04871	0.01549
43.04	39.13	12.2				1.0582	0.17962	0.05005	0.01592
43.75	39.77	12.4				1.0875	0.18454	0.05141	0.01635
44.45	40.41	12.6	42.3352	10.9169	3.8243	1.1172	0.18952	0.05279	0.01678
45.16	41.05	12.8				1.1472	0.19456	0.05418	0.01722
45.86	41.69	13				1.1776	0.19965	0.05558	0.01766
46.57	42.34	13.2				1.2083	0.20480	0.05700	0.01811
47.28	42.98	13.4	47.0572	12.1263	4.2455	1.2394	0.21000	0.05844	0.01856
47.98	43.62	13.6				1.2707	0.21526	0.05989	0.01902
48.69	44.26	13.8				1.3024	0.22057	0.06135	0.01948
49.39	44.90	14				1.3345	0.22594	0.06283	0.01994
50.10	45.54	14.2	51.9928	13.3896	4.6853	1.3668	0.23136	0.06432	0.02041
50.80	46.18	14.4	53.2597	13.714	4.7981	1.3995	0.23683	0.06583	0.02089
51.51	46.83	14.6	54.5297	14.042	4.9121	1.4325	0.24236	0.06735	0.02136
52.21	47.47	14.8	55.8027	14.3697	5.0272	1.4659	0.24794	0.06889	0.02185
52.92	48.11	15	57.0787	14.6982	5.1435	1.4996	0.25357	0.07044	0.02234
53.63	48.75	15.2	58.3577	15.0274	5.2608	1.5336	0.25926	0.07201	0.02283