

Hydrogen Gas Pressure Loss Data in (Mbar / m) in Copper Tube (12.94MJ/m3)

Input Gross	Input Net	GAS RATE M3/HR	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m	Pressure loss / m
			8mm	10mm	12mm	15mm	22mm	28mm	35mm
0.36	0.30	0.1	0.02606						
0.72	0.61	0.2	0.06307	0.01817					
1.08	0.91	0.3	0.11101	0.03126	0.01182	0.00382			
1.44	1.22	0.4	0.16850	0.04683	0.01750	0.00557	0.00109		
1.80	1.52	0.5	0.23472	0.06467	0.02398	0.00754	0.00145	0.00045	
2.16	1.82	0.6	0.30911	0.08461	0.03119	0.00974	0.00185	0.00056	0.00020
2.52	2.13	0.7	0.39126	0.10655	0.03911	0.01214	0.00228	0.00069	0.00024
2.88	2.43	0.8	0.48082	0.13041	0.04769	0.01473	0.00274	0.00083	0.00028
3.23	2.73	0.9	0.57753	0.15610	0.05692	0.01751	0.00324	0.00097	0.00033
3.59	3.04	1	0.68114	0.18357	0.06677	0.02047	0.00376	0.00112	0.00038
3.95	3.34	1.1	0.79147	0.21277	0.07722	0.02361	0.00432	0.00128	0.00043
4.31	3.65	1.2	0.90833	0.24364	0.08826	0.02692	0.00490	0.00145	0.00049
4.67	3.95	1.3	1.03157	0.27616	0.09986	0.03039	0.00551	0.00162	0.00055
5.03	4.25	1.4	1.16107	0.31028	0.11203	0.03403	0.00615	0.00181	0.00061
5.39	4.56	1.5	1.29669	0.34597	0.12475	0.03782	0.00682	0.00200	0.00067
5.75	4.86	1.6	1.43832	0.38320	0.13800	0.04177	0.00751	0.00219	0.00073
6.11	5.17	1.7	1.58586	0.42195	0.15178	0.04587	0.00823	0.00240	0.00080
6.47	5.47	1.8	1.73922	0.46218	0.16608	0.05012	0.00897	0.00261	0.00087
6.83	5.77	1.9	1.89831	0.50389	0.18089	0.05453	0.00973	0.00283	0.00094
7.19	6.08	2		0.54704	0.19620	0.05907	0.01053	0.00305	0.00101
7.55	6.38	2.1		0.59162	0.21201	0.06376	0.01134	0.00328	0.00109
7.91	6.68	2.2		0.63760	0.22831	0.06859	0.01218	0.00352	0.00116
8.27	6.99	2.3		0.68498	0.24509	0.07356	0.01304	0.00377	0.00124
8.63	7.29	2.4		0.73373	0.26235	0.07867	0.01393	0.00402	0.00132
8.99	7.60	2.5		0.78385	0.28008	0.08392	0.01483	0.00427	0.00140
9.35	7.90	2.6		0.83530	0.29829	0.08930	0.01576	0.00454	0.00149
9.70	8.20	2.7		0.88809	0.31695	0.09482	0.01672	0.00481	0.00158
10.06	8.51	2.8		0.94220	0.33607	0.10047	0.01769	0.00508	0.00166
10.42	8.81	2.9		0.99762	0.35565	0.10624	0.01869	0.00536	0.00176
10.78	9.12	3		1.05433	0.37567	0.11215	0.01971	0.00565	0.00185
11.14	9.42	3.1		1.11232	0.39614	0.11819	0.02075	0.00594	0.00194
11.50	9.72	3.2		1.17159	0.41705	0.12435	0.02181	0.00624	0.00204
11.86	10.03	3.3		1.23212	0.43841	0.13065	0.02289	0.00654	0.00214
12.22	10.33	3.4		1.29390	0.46019	0.13706	0.02399	0.00685	0.00223
12.58	10.63	3.5		1.35692	0.48241	0.14360	0.02511	0.00717	0.00234
12.94	10.94	3.6		1.42118	0.50505	0.15027	0.02626	0.00749	0.00244
13.30	11.24	3.7		1.48667	0.52812	0.15705	0.02742	0.00782	0.00254
13.66	11.55	3.8		1.55337	0.55161	0.16396	0.02860	0.00815	0.00265
14.02	11.85	3.9		1.62128	0.57552	0.17099	0.02981	0.00849	0.00276
14.38	12.15	4		1.69039	0.59985	0.17814	0.03103	0.00883	0.00287
14.74	12.46	4.1		1.76070	0.62459	0.18541	0.03228	0.00918	0.00298
15.10	12.76	4.2		1.83219	0.64975	0.19280	0.03354	0.00953	0.00309
15.46	13.07	4.3		1.90486	0.67531	0.20030	0.03482	0.00989	0.00321
15.82	13.37	4.4		1.97870	0.70127	0.20792	0.03613	0.01026	0.00332
16.17	13.67	4.5			0.72764	0.21566	0.03745	0.01063	0.00344
16.53	13.98	4.6			0.75442	0.22352	0.03879	0.01100	0.00356
16.89	14.28	4.7			0.78159	0.23149	0.04015	0.01138	0.00368
17.25	14.58	4.8			0.80916	0.23957	0.04153	0.01177	0.00381
17.61	14.89	4.9			0.83712	0.24777	0.04292	0.01216	0.00393
17.97	15.19	5			0.86548	0.25608	0.04434	0.01256	0.00406
18.33	15.50	5.1			0.89423	0.26450	0.04578	0.01296	0.00419
18.69	15.80	5.2			0.92337	0.27303	0.04723	0.01336	0.00432
19.05	16.10	5.3			0.95289	0.28168	0.04870	0.01377	0.00445
19.41	16.41	5.4			0.98280	0.29044	0.05019	0.01419	0.00458
19.77	16.71	5.5			1.01309	0.29930	0.05170	0.01461	0.00471
20.13	17.02	5.6			1.04377	0.30828	0.05323	0.01504	0.00485
20.49	17.32	5.7			1.07483	0.31737	0.05477	0.01547	0.00499
20.85	17.62	5.8			1.10626	0.32656	0.05633	0.01590	0.00512



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21.57	18.23	6			1.1703	0.3453	0.05951	0.01679	0.00541
22.29	18.84	6.2	13.4591	3.5016	1.2358	0.3644	0.06276	0.01770	0.00569
23.00	19.45	6.4			1.3027	0.3840	0.06608	0.01862	0.00599
23.72	20.05	6.6			1.3712	0.4040	0.06947	0.01956	0.00629
24.44	20.66	6.8			1.4411	0.4244	0.07293	0.02053	0.00659
25.16	21.27	7	16.5229	4.2916	1.5125	0.4452	0.07646	0.02151	0.00690
25.88	21.88	7.2			1.5853	0.4665	0.08006	0.02251	0.00722
26.60	22.48	7.4			1.6595	0.4881	0.08372	0.02353	0.00754
27.32	23.09	7.6			1.7351	0.5102	0.08745	0.02456	0.00787
28.04	23.70	7.8	19.8494	5.1482	1.8122	0.5327	0.09125	0.02562	0.00821
28.76	24.31	8			1.8907	0.5555	0.09512	0.02669	0.00855
29.47	24.91	8.2			1.9705	0.5788	0.09905	0.02778	0.00889
30.19	25.52	8.4				0.6025	0.10305	0.02889	0.00924
30.91	26.13	8.6	23.4320	6.0699	2.1344	0.6265	0.10711	0.03002	0.00960
31.63	26.74	8.8				0.6510	0.11123	0.03116	0.00996
32.35	27.35	9				0.6758	0.11543	0.03232	0.01033
33.07	27.95	9.2				0.7011	0.11968	0.03350	0.01070
33.79	28.56	9.4	27.2653	7.0551	2.4785	0.7267	0.12400	0.03470	0.01108
34.51	29.17	9.6				0.7527	0.12838	0.03591	0.01146
35.23	29.78	9.8				0.7791	0.13283	0.03714	0.01185
35.94	30.38	10				0.8059	0.13733	0.03839	0.01225
36.66	30.99	10.2	31.3441	8.1025	2.8442	0.8330	0.14190	0.03966	0.01265
37.38	31.60	10.4				0.8606	0.14654	0.04094	0.01305
38.10	32.21	10.6				0.8885	0.15123	0.04223	0.01346
38.82	32.81	10.8				0.9168	0.15598	0.04355	0.01388
39.54	33.42	11	35.6641	9.2110	3.2309	0.9454	0.16080	0.04488	0.01430
40.26	34.03	11.2				0.9744	0.16568	0.04623	0.01472
40.98	34.64	11.4				1.0038	0.17062	0.04759	0.01515
41.70	35.25	11.6				1.0336	0.17562	0.04898	0.01559
42.41	35.85	11.8	40.2211	10.3795	3.6383	1.0637	0.18067	0.05037	0.01603
43.13	36.46	12				1.0942	0.18579	0.05179	0.01647
43.85	37.07	12.2				1.1250	0.19097	0.05322	0.01692
44.57	37.68	12.4				1.1563	0.19621	0.05466	0.01738
45.29	38.28	12.6	45.0116	11.6001	4.0660	1.1878	0.20150	0.05612	0.01784
46.01	38.89	12.8				1.2198	0.20686	0.05760	0.01831
46.73	39.50	13				1.2521	0.21228	0.05910	0.01878
47.45	40.11	13.2				1.2847	0.21775	0.06061	0.01925
48.17	40.71	13.4	50.0321	12.8929	4.5139	1.3177	0.22328	0.06213	0.01973
48.88	41.32	13.6				1.3511	0.22887	0.06367	0.02022
49.60	41.93	13.8				1.3848	0.23452	0.06523	0.02071
50.32	42.54	14				1.4188	0.24022	0.06680	0.02120
51.04	43.15	14.2	55.2797	14.2360	4.9815	1.4532	0.24598	0.06839	0.02170
51.76	43.75	14.4	56.6267	14.5800	5.1014	1.4880	0.25180	0.06999	0.02221
52.48	44.36	14.6	57.9800	14.9200	5.2226	1.5231	0.25768	0.07161	0.02272
53.20	44.97	14.8	59.3400	15.2600	5.3450	1.5586	0.26361	0.07325	0.02323
53.92	45.58	15	60.7000	15.6000	5.4686	1.5944	0.26960	0.07490	0.02375
54.64	46.18	15.2	62.0600	15.9400	5.5934	1.6305	0.27565	0.07656	0.02427

