

**TABLE 12-29 Schedule 40 Metallic Pipe [NFPA 54: Table 6.3(b)]**

						Gas:		Undiluted Propane	
						Inlet Pressure:		0.69bar	
						Pressure Drop:		0.207bar	
						Specific Gravity:		1.5	
INTENDED USE: Pipe Sizing Between First Stage (High Pressure Regulator) and Second Stage (Low Pressure Regulator)									
	Pipe Size (mm)								
DN:	15	20	25	32	40	50	65	80	100
Length (m)	Capacity in kW								
3	1,726	3,604	6,798	13,947	20,891	40,141	64,167	113,391	231,177
6	1,187	2,479	4,659	9,581	14,357	27,659	43,950	77,938	159,099
9	952	1,989	3,750	7,706	11,544	22,209	35,453	62,702	127,748
12	815	1,702	3,223	6,593	9,874	19,016	30,179	53,619	109,289
15	721	1,509	2,845	5,831	8,761	16,848	26,839	47,466	96,690
18	653	1,368	2,575	5,303	7,940	15,265	24,319	43,071	87,607
21	601	1,260	2,370	4,864	7,296	14,035	22,385	39,555	80,575
24	560	1,172	2,206	4,542	6,798	13,068	20,832	36,918	75,008
27	524	1,099	2,069	4,249	6,358	12,247	19,543	34,574	70,320
30	495	1,037	1,954	4,014	6,007	11,574	18,459	32,523	66,511
38	440	920	1,732	3,545	5,333	10,255	16,349	28,919	58,893
45	398	832	1,570	3,223	4,835	9,288	14,826	26,194	53,326
53	366	768	1,444	2,959	4,454	8,556	13,625	24,114	49,165
60	340	712	1,342	2,757	4,131	7,970	12,687	22,415	45,737
75	302	633	1,190	2,444	3,663	7,061	11,251	19,865	40,551
90	274	571	1,078	2,215	3,311	6,387	10,196	18,020	36,742
105	252	527	993	2,036	3,047	5,889	9,376	16,555	33,783
120	234	489	923	1,896	2,839	5,479	8,731	15,412	31,439
135	220	460	867	1,779	2,663	5,128	8,175	14,474	29,505
150	208	434	817	1,679	2,517	4,835	7,735	13,654	27,864
165	197	413	776	1,597	2,391	4,600	7,325	12,980	26,458
180	188	393	741	1,524	2,280	4,395	7,003	12,365	25,257
195	180	378	709	1,459	2,183	4,219	6,710	11,867	24,173
210	173	363	683	1,401	2,098	4,043	6,446	11,398	23,235
225	167	349	656	1,348	2,022	3,897	6,212	10,958	22,385
240	161	337	636	1,304	1,951	3,750	6,007	10,607	21,594
255	156	325	615	1,260	1,890	3,633	5,801	10,255	20,920
270	151	316	595	1,222	1,831	3,516	5,626	9,933	20,276
285	147	308	577	1,187	1,779	3,428	5,450	9,640	19,690
300	143	299	563	1,154	1,729	3,340	5,303	9,376	19,162
330	136	284	533	1,096	1,644	3,164	5,040	8,907	18,195
360	130	270	510	1,046	1,568	3,018	4,805	8,497	17,346
390	124	259	489	1,002	1,500	2,892	4,600	8,145	16,613
420	119	249	469	961	1,442	2,778	4,424	7,823	15,969
450	115	240	451	926	1,389	2,675	4,278	7,530	15,383
480	111	231	437	897	1,342	2,584	4,131	7,266	14,855
510	107	224	422	867	1,298	2,499	3,985	7,032	14,357
540	104	217	410	841	1,260	2,423	3,868	6,827	13,947
570	101	211	398	815	1,222	2,356	3,750	6,622	13,537
600	98	205	387	794	1,190	2,291	3,663	6,446	13,156

**Note:** All table entries are rounded to 3 significant digits.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m<sup>3</sup> = 33.3 ft.<sup>3</sup>; 1bar = 14.5 psi