

**1346.5402 SECTION 402 (IFGC) PIPE SIZING.**

Subpart 1. [Repealed, 34 SR 537]

Subp. 2. **Section 402.4, Tables.** IFGC Section 402.4 is amended by adding tables as follows:

**Table 402.4(2)A**

Pipe Sizing Table for Natural Gas

Schedule 40 Metallic Pipe		Inlet Pressure					7" wc	
For 0.60 Specific Gravity Natural Gas		Pressure Drop					1" wc	
Nominal	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	
Actual ID	0.364	0.493	0.622	0.824	1.049	1.380	1.610	
Length (ft)	Maximum Capacity in Cubic Feet of Gas per Hour							
10	61	135	248	518	976	2004	3003	
20	42	93	170	356	671	1378	2064	
30	34	74	137	286	539	1106	1657	
40	29	64	117	245	461	947	1419	
50	25	56	104	217	409	839	1257	
60	23	51	94	197	370	760	1139	
80	20	44	80	168	317	651	975	
100	17	39	71	149	281	577	864	
125	16	34	63	132	249	511	766	
150	14	31	57	120	226	463	694	
175	13	29	53	110	208	426	638	
200	12	27	49	102	193	396	594	
250	11	24	43	91	171	351	626	
300	10	21	39	82	155	318	477	
350	9	20	36	76	143	293	439	
400	8	18	34	70	133	272	408	
450	8	17	32	66	124	256	383	

500	7	16	30	62	118	241	362
Nominal	2	2-1/2	3	4	5	6	8
Actual ID	2.067	2.469	3.068	4.026	5.047	6.065	7.891
Length (ft)	Maximum Capacity in Cubic Feet of Gas per Hour						
10	5784	9218	16296	33239	60134	97370	194195
20	3975	6336	11200	22845	41330	66922	133469
30	3192	5088	8994	18345	33189	53741	107181
40	2732	4354	7698	115701	28406	45995	91733
50	2421	3859	6822	13916	25175	40765	81301
60	2194	3497	6182	12609	22811	36936	73665
80	1878	2993	5291	10791	19523	31612	63047
100	1664	2652	4689	9564	17303	28017	55878
125	1475	2351	4156	8477	15335	24831	49523
150	1336	2130	3765	7680	13895	22499	44872
175	1229	1960	3464	7066	12783	20699	41281
200	1144	1823	3223	6573	11892	19256	38404
250	1014	1616	2856	5826	10540	17066	34037
300	918	1464	2588	5279	9550	15463	30840
350	845	1347	2381	4856	8786	14226	28373
400	786	1253	2215	4518	8173	13235	26395
450	738	1176	2078	4239	7669	12418	24766
500	697	1110	1963	4004	7244	11730	23394

**Statutory Authority:** *MS s 16B.59; 16B.61; 16B.64; 326B.101; 326B.106; 326B.13*

**History:** *29 SR 299; L 2007 c 140 art 4 s 61; art 13 s 4; 34 SR 537*

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