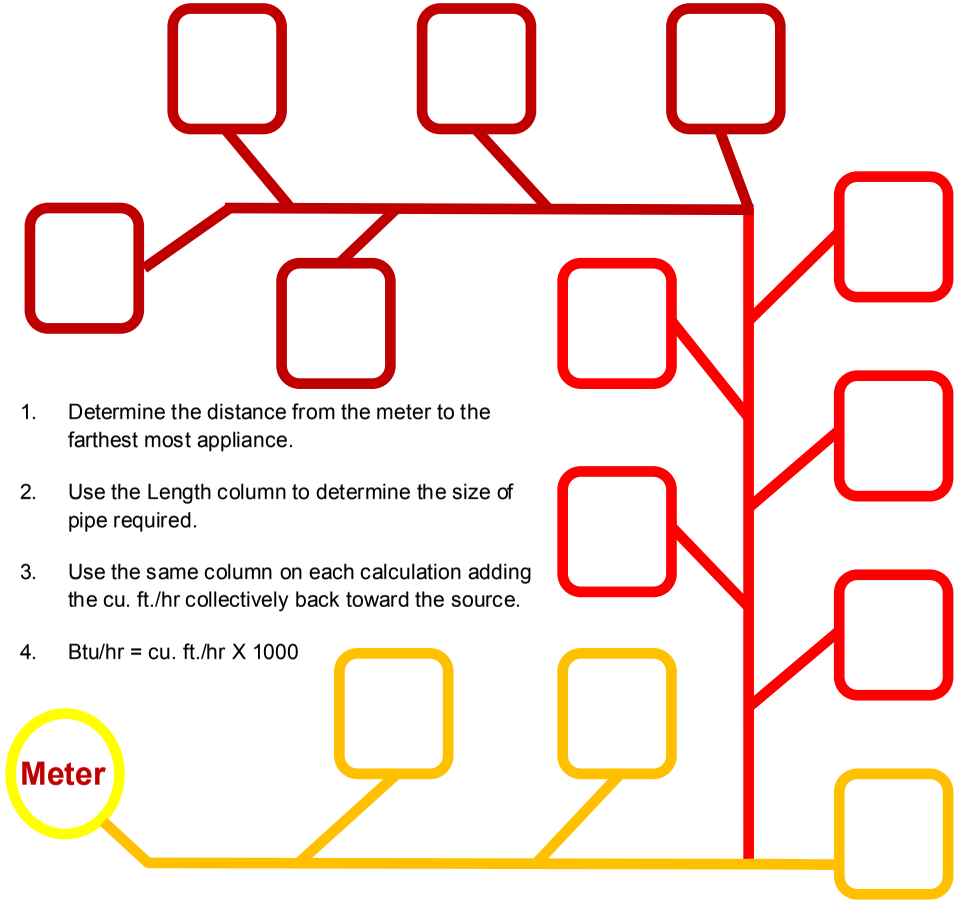
Natural Gas - Less than 2 psi (0.5 in. w.c.) Length of schedule 40 steel pipe														
Pipe Size	10	20	30	40	50	60	70	80	90	100	125	150	175	200
1/2	172	118	95	81	72	65	60	56	52	50	44	40	37	34
3/4	360	247	199	170	151	137	126	117	110	104	92	83	77	71
1	678	466	374	320	284	257	237	220	207	195	173	157	144	134
1 1/4	1390	957	768	657	583	528	486	452	424	400	355	322	296	275
1 1/2	2090	1430	1150	985	873	791	728	677	635	600	532	482	443	412
2	4020	2760	2220	1900	1680	1520	1400	1300	1220	1160	1020	928	854	794

Natural Gas - Less than 2 psi (0.5 in. w.c.) Length of polyethylene plastic pipe											
Pipe Size	10	20	30	40	50	60	70	80	90	100	150
1/2	201	138	111	95	84	76	70	65	61	58	46
3/4	403	277	222	190	169	153	140	131	123	116	93
1	726	499	401	343	304	276	254	236	221	209	168
1 1/4	1260	865	695	594	527	477	439	409	383	362	291
1 1/2	1900	1310	1050	898	796	721	663	617	579	547	439

Natural Gas - Less than 2 psi (0.5 in. w.c.) Length of CSST												
EHD	10	20	30	40	50	60	70	80	90	100	150	200
13	32	22	18	15	13	12	11	10	10	9	7	6
15	44	31	25	21	19	17	16	15	14	13	10	9
18	82	58	47	41	37	34	31	29	28	26	20	18
19	95	67	55	47	42	38	36	33	32	30	23	21
23	161	116	96	83	75	68	63	60	57	54	42	38
25	192	137	112	97	87	80	74	69	65	62	48	44
30	330	231	188	162	144	131	121	113	107	101	78	71
31	383	269	218	188	168	153	141	132	125	118	91	82
37	639	456	374	325	292	267	248	232	219	208	171	148
39	746	536	442	386	347	318	295	277	262	249	205	161

CSST is available in 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"and 2", however it is sized by EHD (equivalent hydraulic diameter). EHD is a theoretical size, which reflects the hydraulic performance of the tubing. EHD may vary depending on the manufacturer. For instance, ½" CSST may be sized as 16 EHD from one manufacturer and 18 EHD from another.

Cu.ft./hr	Length	Size



1. Determine the distance from the meter to the farthest most appliance.
2. Use the Length column to determine the size of pipe required.
3. Use the same column on each calculation adding the cu. ft./hr collectively back toward the source.
4. Btu/hr = cu. ft./hr X 1000