

TABLE 6
UNIFORM CODES GAS LINE SIZING CHART

TABLE NO. 22-D—SIZE OF GAS PIPING
Maximum Delivery Capacity in Cubic Feet of Gas Per Hour of I.P.S. Pipe Carrying Natural Gas of 0.60 Specific Gravity
Based on 0.5-Inch Water Column Pressure Drop

PIPE SIZE (In Inches)	LENGTH OF PIPE (In Feet)										
	10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	125'
½	174	119	96	82	73	66	61	56	53	50	44
¾	363	249	200	171	152	138	127	118	111	104	93
1	684	470	377	323	286	259	239	222	208	197	174
1¼	1,404	965	775	663	588	532	490	456	428	404	358
1½	2,103	1,445	1,161	993	880	798	734	683	641	605	536
2	4,050	2,784	2,235	1,913	1,696	1,536	1,413	1,315	1,234	1,165	1,033
2½	6,455	4,437	3,563	3,049	2,703	2,449	2,253	2,096	1,966	1,857	1,646
3	11,412	7,843	6,299	5,391	4,778	4,329	3,983	3,983	3,476	3,284	2,910
3½	16,709	11,484	9,222	7,893	6,995	6,338	5,831	5,425	5,090	4,808	4,261
4	23,277	15,998	12,847	10,995	9,745	8,830	8,123	7,557	7,090	6,698	5,936
	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'	
½	40	34	30	28	25	24	22	21	20	19	
¾	84	72	64	58	53	49	46	44	42	40	
1	158	135	120	109	100	93	87	82	78	75	
1¼	324	278	246	223	205	191	179	169	161	153	
1½	486	416	369	334	309	286	268	253	241	230	
2	936	801	710	643	592	551	517	488	463	442	
2½	1,492	1,277	1,131	1,025	943	877	823	778	739	705	
3	2,637	2,257	2,000	1,812	1,667	1,551	1,455	1,375	1,306	1,246	
3½	3,861	3,304	2,929	2,654	2,441	2,271	2,131	2,013	1,912	1,824	
4	5,378	4,603	4,080	3,697	3,401	3,164	2,968	2,804	2,663	2,541	

TABLE NO. 22-F—MEDIUM-PRESSURE NATURAL GAS SYSTEM
For Sizing Gas Piping Systems Carrying Gas of 0.60 Specific Gravity Capacity of Pipes of Different Diameters and
Lengths in Cubic Feet per Hour for Gas Pressure of 3.0 psi with a Drop to 1.5 psi

PIPE SIZE (In Inches)	LENGTH OF PIPE (In Feet)											
	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'
½	857	589	473	405	359	325	299	278	261	247	234	224
¾	1,793	1,232	990	847	751	680	626	582	546	516	490	467
1	3,377	2,321	1,864	1,595	1,414	1,281	1,179	1,096	1,029	972	923	881
1¼	6,934	4,766	3,827	3,275	2,903	2,630	2,420	2,251	2,112	1,995	1,895	1,808
1½	10,389	7,140	5,734	4,908	4,349	3,941	3,626	3,373	3,165	2,989	2,839	2,709
2	20,008	13,752	11,043	9,451	8,377	7,590	6,983	6,496	6,095	5,757	5,468	5,216
2½	31,890	21,918	17,601	15,064	13,351	12,097	11,129	10,353	9,714	9,176	8,715	8,314
3	56,376	38,747	31,115	26,631	23,602	21,385	19,674	18,303	17,173	16,222	15,406	14,698
	650'	700'	750'	800'	850'	900'	950'	1000'	1100'	1200'	1300'	1400'
½	214	206	198	191	185	180	174	170	161	154	147	141
¾	448	430	414	400	387	375	365	355	337	321	308	296
1	843	810	780	754	729	707	687	668	634	605	580	557
1¼	1,731	1,663	1,602	1,547	1,497	1,452	1,410	1,371	1,302	1,242	1,190	1,143
1½	2,594	2,492	2,401	2,318	2,243	2,175	2,112	2,055	1,951	1,862	1,783	1,713
2	4,995	4,799	4,623	4,465	4,321	4,189	4,068	3,957	3,758	3,585	3,433	3,298
2½	7,962	7,649	7,369	7,116	6,886	6,677	6,484	6,307	5,990	5,714	5,472	5,257
3	14,075	13,522	13,027	12,580	12,174	11,803	11,463	11,149	10,589	10,102	9,674	9,294
4	28,709	27,581	26,570	25,658	24,831	24,074	23,380	22,741	21,598	20,605	19,731	18,956

TABLE NO. 22-G—MEDIUM-PRESSURE NATURAL GAS SYSTEM
For Sizing Gas Piping Systems Carrying Gas of 0.60 Specific Gravity
Capacity of Pipes of Different Diameters and Lengths in Cubic Feet per Hour
for Gas Pressure of 5.0 psi with a Drop to 1.5 psi

PIPE SIZE (In Inches)	LENGTH OF PIPE (In Feet)											
	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'
½	1,399	961	772	661	586	531	488	454	426	402	382	365
¾	2,925	2,010	1,614	1,381	1,224	1,109	1,021	949	891	842	799	762
1	5,509	3,786	3,041	2,602	2,306	2,090	1,923	1,789	1,678	1,585	1,506	1,436
1¼	11,311	7,774	6,243	5,343	4,735	4,291	3,947	3,672	3,445	3,255	3,091	2,949
1½	16,947	11,648	9,353	8,005	7,095	6,429	5,914	5,502	5,162	4,876	4,631	4,418
2	32,638	22,432	18,014	15,417	13,664	12,381	11,390	10,596	9,942	9,391	8,919	8,509
2½	52,020	35,753	28,711	24,573	21,779	19,733	18,154	16,889	15,846	14,968	14,216	13,562
3	91,962	63,205	50,756	43,441	38,501	34,884	32,093	29,856	28,013	26,461	25,131	23,976
	650'	700'	750'	800'	850'	900'	950'	1000'	1100'	1200'	1300'	1400'
½	349	335	323	312	302	293	284	277	263	251	240	231
¾	730	701	676	653	632	612	595	578	549	524	502	482
1	1,375	1,321	1,273	1,229	1,190	1,153	1,120	1,089	1,035	987	945	908
1¼	2,824	2,713	2,614	2,524	2,442	2,368	2,300	2,237	2,124	2,027	1,941	1,865
1½	4,231	4,065	3,916	3,781	3,659	3,548	3,446	3,351	3,183	3,037	2,908	2,794
2	8,149	7,828	7,542	7,283	7,048	6,833	6,636	6,455	6,130	5,848	5,600	5,380
2½	12,988	12,477	12,020	11,608	11,233	10,891	10,577	10,288	9,771	9,321	8,926	8,575
3	22,960	22,057	21,249	20,520	19,858	19,253	18,698	18,187	17,273	16,478	15,780	15,160
4	46,830	44,990	43,342	41,855	40,504	39,271	38,139	37,095	35,231	33,611	32,186	30,921

TABLE NO. 22-E—MAXIMUM CAPACITY OF PIPE IN THOUSANDS OF Btu/h
OF UNDILUTED LIQUEFIED PETROLEUM GASES
For Distribution Pressure of 11-Inch Water Column, Pressure Drop of 0.5-Inch Water Column

NOMINAL IRON PIPE SIZE (In Inches)	LENGTH OF PIPE, FEET												
	10	20	30	40	50	60	70	80	90	100	125	150	200
½	275	189	152	129	114	103	96	89	83	78	69	63	55
¾	567	393	315	267	237	217	196	185	173	162	146	132	112
1	1071	732	590	504	448	409	378	346	322	307	275	252	213
1¼	2205	1496	1212	1039	913	834	771	724	677	630	567	511	440
1½	3307	2299	1858	1559	1417	1275	1181	1086	1023	976	866	787	675
2	6221	4331	3465	2992	2646	2394	2205	2047	1921	1811	1606	1496	1260

TABLE NO. 22-H—FOR PROPANE GAS PRESSURE OF 10.0 psi WITH MAXIMUM PRESSURE DROP OF 3.0 psi
Maximum Delivery Capacity in Cubic Feet of Gas per Hour of I.P.S. Pipe of Different Diameters
and Lengths Carrying Propane Gas of 1.52 Specific Gravity

PIPE SIZE (In Inches)	Length of Pipe (In Feet)											
	50'	100'	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'
½	1,000	690	550	470	420	380	350	325	300	285	272	260
¾	2,070	1,423	1,142	978	867	785	722	672	631	596	566	540
1	3,899	2,680	2,152	1,842	1,632	1,479	1,361	1,266	1,188	1,122	1,066	1,017
1¼	8,005	5,502	4,418	3,782	3,351	3,037	2,794	2,599	2,439	2,303	2,188	2,087
1½	11,994	8,244	6,620	5,666	5,022	4,550	4,186	3,894	3,654	3,451	3,278	3,127
2	23,100	15,877	12,750	10,912	9,671	8,763	8,062	7,500	7,037	6,647	6,313	6,023
2½	36,818	25,305	20,321	17,392	15,414	13,966	12,849	11,953	11,215	10,594	10,062	9,599
3	65,088	44,734	35,923	30,746	27,249	24,690	22,714	21,131	19,827	18,728	17,787	16,969
	650'	700'	750'	800'	850'	900'	950'	1000'	1100'	1200'	1300'	1400'
½	250	240	230	222	215	208	202	198	188	180	171	164
¾	517	496	478	462	447	433	421	409	389	371	355	341
1	973	935	901	870	842	816	793	771	732	699	669	643
1¼	1,999	1,920	1,850	1,786	1,729	1,676	1,628	1,583	1,504	1,434	1,374	1,320
1½	2,995	2,877	2,772	2,676	2,590	2,511	2,439	2,372	2,253	2,149	2,058	1,977
2	5,767	5,541	5,338	5,155	4,988	4,836	4,697	4,568	4,339	4,139	3,964	3,808
2½	9,192	8,831	8,507	8,215	7,950	7,708	7,486	7,281	6,915	6,597	6,318	6,069
3	16,250	15,611	15,040	14,523	14,055	13,627	13,234	12,872	12,225	11,663	11,169	10,730
4	33,145	31,842	30,676	29,623	28,667	27,795	26,993	26,255	24,935	23,789	22,780	21,885

TABLE NO. 22-A—SUPPORT OF PIPING

SIZE OF PIPE (Inches)	FEET
½"	6
¾" or 1"	8
1¼" or larger (horizontal)	10
1¼" or larger (vertical)	Every floor level