

Table 12-30

UNIFORM PLUMBING CODE OF ABU DHABI:
AN ENVIRONMENTAL GUIDE FOR
WATER SUPPLY AND SANITATION

TABLE 12-30 Schedule 40 Metallic Pipe [NFPA 54: Table 6.3(c)]

						Gas:		Undiluted Propane	
						Inlet Pressure:		0.138bar	
						Pressure Drop:		0.069bar	
						Specific Gravity:		1.5	
INTENDED USE: Pipe Sizing Between 0.138bar Service and Line Pressure Regulator									
	Pipe Size (mm)								
DN:	15	20	25	32	40	50	65	80	100
Length (m)	Capacity in kW								
3	785	1,638	3,077	6,329	9,493	18,283	29,154	51,568	105,187
6	539	1,128	2,121	4,366	6,534	12,570	20,041	35,453	72,371
9	434	905	1,705	3,487	5,245	10,109	16,086	28,450	58,014
12	369	774	1,459	2,989	4,483	8,644	13,771	24,348	49,810
15	328	686	1,292	2,655	3,985	7,647	12,218	21,594	43,950
18	296	621	1,172	2,406	3,604	6,944	11,046	19,543	39,848
21	274	571	1,078	2,212	3,311	6,387	10,167	17,990	36,625
24	255	533	1,002	2,057	3,077	5,948	9,464	16,730	33,988
27	239	498	941	1,931	2,895	5,567	8,878	15,705	31,937
30	226	472	888	1,825	2,734	5,274	8,380	14,826	30,179
38	200	419	788	1,617	2,423	4,659	7,442	13,156	26,810
45	181	378	715	1,465	2,195	4,219	6,739	11,925	24,290
53	167	349	656	1,348	2,019	3,897	6,212	10,958	22,356
60	155	325	609	1,254	1,878	3,604	5,772	10,196	20,803
75	137	287	542	1,110	1,664	3,194	5,098	9,024	18,430
90	125	260	489	1,008	1,509	2,907	4,629	8,175	16,701
105	115	239	451	926	1,389	2,672	4,249	7,530	15,353
120	107	223	419	861	1,292	2,488	3,956	7,003	14,298
135	100	209	393	809	1,210	2,332	3,721	6,563	13,419
150	94	197	372	765	1,146	2,203	3,516	6,212	12,658
165	90	188	355	727	1,087	2,092	3,340	5,889	12,042
180	86	179	337	691	1,037	1,998	3,194	5,626	11,486
195	82	171	322	662	993	1,913	3,047	5,391	10,988
210	79	165	311	636	955	1,837	2,927	5,186	10,548
225	76	159	299	612	920	1,770	2,822	4,981	10,167
240	73	153	289	592	888	1,708	2,725	4,805	9,816
255	71	148	279	574	858	1,653	2,637	4,659	9,493
270	69	144	271	557	832	1,603	2,555	4,512	9,230
285	67	139	263	539	809	1,556	2,482	4,395	8,937
300	65	136	256	524	785	1,515	2,414	4,278	8,702
330	62	129	243	498	747	1,439	2,294	4,043	8,263
360	59	123	232	475	712	1,371	2,189	3,868	7,882
390	56	118	222	454	683	1,316	2,095	3,692	7,559
420	54	113	213	437	656	1,263	2,013	3,545	7,266
450	52	109	205	422	633	1,216	1,940	3,428	7,003
480	50	105	198	407	609	1,175	1,872	3,311	6,739
510	49	102	192	393	589	1,137	1,811	3,194	6,534
540	47	99	186	381	571	1,102	1,758	3,106	6,329
570	46	96	181	372	557	1,069	1,705	3,018	6,153
600	45	93	176	360	539	1,040	1,658	2,930	5,977

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

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³; 1bar = 14.5 psi