

Table 12-28

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

TABLE 12-28 Schedule 40 Metallic Pipe [NFPA 54: Table 6.3(a)]

						Gas:		Undiluted Propane	
						Inlet Pressure:		0.69bar	
						Pressure Drop:		0.069bar	
						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	973	2,036	3,838	7,882	11,808	22,737	36,332	64,167	130,678
6	668	1,401	2,637	5,421	8,116	15,617	24,905	43,950	89,658
9	536	1,125	2,115	4,336	6,505	12,540	19,983	35,453	72,078
12	460	961	1,811	3,721	5,567	10,724	17,111	30,179	61,823
15	407	853	1,606	3,311	4,952	9,523	15,148	26,810	54,791
18	369	774	1,456	2,989	4,483	8,614	13,742	24,290	49,517
21	340	712	1,339	2,748	4,131	7,940	12,628	22,356	45,708
24	316	662	1,245	2,558	3,838	7,384	11,749	20,774	42,485
27	296	621	1,169	2,400	3,604	6,915	11,046	19,514	39,848
30	280	586	1,105	2,265	3,399	6,534	10,431	18,430	37,504
38	248	519	979	2,007	3,018	5,801	9,230	16,320	33,402
45	225	472	885	1,820	2,725	5,245	8,380	14,797	30,179
53	207	434	815	1,673	2,508	4,835	7,706	13,625	27,747
60	193	401	759	1,559	2,332	4,483	7,149	12,658	25,813
75	171	357	671	1,380	2,069	3,985	6,358	11,222	22,883
90	155	322	609	1,251	1,875	3,604	5,743	10,167	20,744
105	142	299	560	1,151	1,723	3,311	5,303	9,347	19,074
120	132	277	522	1,069	1,603	3,077	4,922	8,702	17,756
135	124	260	489	1,005	1,506	2,898	4,629	8,175	16,642
150	117	245	463	949	1,421	2,737	4,366	7,706	15,734
165	111	233	440	900	1,351	2,599	4,131	7,325	14,943
180	106	222	419	858	1,289	2,479	3,956	7,003	14,240
195	102	213	401	823	1,234	2,376	3,780	6,680	13,654
210	98	205	384	791	1,184	2,282	3,633	6,417	13,126
225	94	197	372	762	1,143	2,198	3,516	6,182	12,628
240	91	190	357	735	1,102	2,121	3,370	5,977	12,189
255	88	184	346	712	1,067	2,054	3,282	5,801	11,808
270	85	178	337	691	1,034	1,992	3,164	5,626	11,456
285	83	173	325	671	1,005	1,934	3,077	5,450	11,105
300	81	168	316	653	976	1,881	2,989	5,303	10,812
330	76	160	302	618	929	1,787	2,848	5,040	10,255
360	73	153	288	592	885	1,705	2,716	4,805	9,786
390	70	146	275	565	847	1,632	2,602	4,600	9,376
420	67	141	265	542	815	1,568	2,499	4,424	9,024
450	65	135	255	524	785	1,512	2,408	4,249	8,673
480	62	131	246	507	759	1,459	2,326	4,102	8,380
510	60	127	238	489	733	1,412	2,250	3,985	8,116
540	59	123	231	475	712	1,368	2,183	3,868	7,882
570	57	119	224	460	691	1,330	2,118	3,750	7,647
600	55	116	218	448	671	1,292	2,060	3,633	7,442

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