



GAS CRIMP PIPE (NATURAL GAS) PRESSURE DROP TABLES

NATURAL GAS (NG)

FLOW RATES BASED ON:

- PRESSURE: 1023.15 MBAR

- GAS TEMPERATURE: 15°C

- HEATING VALUE (GROSS): 38.7 MJ/M3

PRESSURE DROP OF 0 .075 KPA (SUPPLY PRESSURE OF AROUND 1.1 KPA)

PIPE SIZE	PIPE LENGTH IN METRES												
	2	4	6	8	10	12	14	16	18	20	25	30	35
16	85	58	47	40	36	32	30	28	26	24	22	20	18
20	167	115	92	79	70	63	58	54	51	48	43	39	35
25	326	224	180	154	137	124	114	106	99	94	83	75	69
32	650	447	359	307	272	247	227	211	198	187	166	150	138
40	1122	771	619	530	470	426	392	364	342	323	286	259	239
50	2151	1479	1187	1016	901	816	751	698	655	619	549	497	457

PIPE SIZE	PIPE LENGTH IN METRES												
	40	45	50	55	60	65	70	75	80	85	90	95	100
16	17	16	15	14	14	13	12	12	12	11	11	11	10
20	33	31	29	28	26	25	24	23	23	22	21	21	20
25	65	61	57	54	52	50	48	46	44	43	42	40	39
32	129	121	114	108	103	99	95	92	88	86	83	81	78
40	222	208	197	187	178	171	164	158	153	148	143	139	135
50	425	399	377	358	342	327	314	303	292	283	274	266	259

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PRESSURE DROP OF 0.12 KPA (SUPPLY PRESSURE OF AROUND 1.25 KPA)

PIPE SIZE	PIPE LENGTH IN METRES												
	2	4	6	8	10	12	14	16	18	20	25	30	35
16	110	75	61	52	46	42	38	36	33	32	28	25	23
20	215	148	119	102	90	82	75	70	66	62	55	50	46
25	421	289	232	199	176	160	147	137	128	121	107	97	89
32	838	576	463	396	351	318	293	272	255	241	214	194	178
40	1447	994	799	683	606	549	505	470	441	416	369	334	308
50	2774	1907	1531	1311	1161	1052	968	901	845	798	708	641	590

PIPE SIZE	PIPE LENGTH IN METRES												
	40	45	50	55	60	65	70	75	80	85	90	95	100
16	22	20	19	18	17	17	16	15	15	14	14	14	13
20	43	40	38	36	34	33	31	30	29	28	27	27	26
25	83	78	74	70	67	64	61	59	57	55	54	52	51
32	166	156	147	140	133	128	123	118	114	110	107	104	101
40	286	268	254	241	230	220	211	204	197	190	185	179	174
50	549	515	486	462	441	422	405	390	377	365	354	344	334

PRESSURE DROP OF 0.75 KPA (SUPPLY PRESSURE OF AROUND 2.0 - 2.5 KPA)

PIPE SIZE	PIPE LENGTH IN METRES												
	2	4	6	8	10	12	14	16	18	20	25	30	35
16	163	112	90	77	68	62	57	53	50	47	42	38	35
20	320	220	177	151	134	121	112	104	97	92	82	74	68
25	626	430	345	296	262	237	218	203	191	180	160	145	133
32	1247	857	688	589	522	473	435	405	380	359	318	288	265
40	2152	1479	1188	1017	901	816	751	699	656	619	549	497	458
50	4127	2836	2278	1949	1728	1565	1440	1340	1257	1187	1052	954	877

PIPE SIZE	PIPE LENGTH IN METRES												
	40	45	50	55	60	65	70	75	80	85	90	95	100
16	32	30	29	27	26	25	24	23	22	21	21	20	20
20	63	59	56	53	51	49	47	45	44	42	41	40	39
25	124	116	110	104	99	95	91	88	85	82	80	78	75
32	247	231	219	208	198	190	182	176	170	164	159	154	150
40	426	399	377	358	342	327	314	303	293	283	274	267	259
50	816	766	723	687	655	628	603	581	561	543	526	511	497

PRESSURE DROP OF 1.5 KPA (SUPPLY PRESSURE OF AROUND 2.75 KPA)

PIPE SIZE	PIPE LENGTH IN METRES												
	2	4	6	8	10	12	14	16	18	20	25	30	35
16	430	296	237	203	180	163	150	140	131	124	110	99	91
20	844	580	466	399	353	320	294	274	257	243	215	195	179
25	1650	1134	910	779	691	626	576	536	503	475	421	381	351
32	3288	2260	1815	1553	1377	1247	1147	1067	1002	946	838	760	699
40	5674	3900	3131	2680	2375	2152	1980	1842	1728	1633	1447	1311	1206
50	10879	7477	6004	5139	4555	4127	3797	3532	3314	3130	2774	2514	2313

PIPE SIZE	PIPE LENGTH IN METRES												
	40	45	50	55	60	65	70	75	80	85	90	95	100
16	85	80	75	72	68	65	63	61	58	57	55	53	52
20	167	157	148	140	134	128	123	119	115	111	108	104	102
25	326	306	289	275	262	251	241	232	224	217	210	204	199
32	650	610	576	547	522	500	480	463	447	432	419	407	396
40	1122	1053	994	944	901	863	829	799	771	746	724	703	683
50	2151	2019	1907	1811	1728	1654	1589	1531	1479	1431	1387	1347	1311





GAS CRIMP PIPE (LPG) PRESSURE DROP TABLES

LIQUEFIED PETROLEUM GAS (LPG)

FLOW RATES BASED ON:

- PRESSURE: 1023.15 MBAR
- GAS TEMPERATURE: 15°C
- HEATING VALUE (GROSS): 95.4 MJ/M3

PRESSURE DROP OF 0.25 KPA (SUPPLY PRESSURE OF AROUND 2.75 KPA)

PIPE SIZE	PIPE LENGTH IN METERS												
	2	4	6	8	10	12	14	16	18	20	25	30	35
16	280	192	154	132	117	106	98	91	85	81	71	65	60
20	549	377	303	259	230	208	192	178	167	158	140	127	117
25	1074	738	593	507	449	407	375	349	327	309	274	248	228
32	2140	1471	1181	1011	896	812	747	695	652	616	546	494	455
40	3692	2538	2038	1744	1546	1401	1289	1199	1125	1062	942	853	785
50	7080	4866	3907	3344	2964	2686	2471	2298	2157	2037	1805	1636	1505

PIPE SIZE	PIPE LENGTH IN METERS												
	40	45	50	55	60	65	70	75	80	85	90	95	100
16	55	52	49	47	44	43	41	39	38	37	36	35	34
20	109	102	96	91	87	84	80	77	75	72	70	68	66
25	212	199	188	179	170	163	157	151	146	141	137	133	129
32	423	397	375	356	340	325	313	301	291	281	273	265	258
40	730	685	647	615	586	562	539	520	502	486	471	457	445
50	1400	1314	1241	1179	1124	1077	1034	996	962	931	903	877	853

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