

Sizing Table for Crimp Fittings (Natural Gas Only)

Table 1A

Pressure Drop of 0.075 kPa (Meter Pressure 1.1 kPa)																												NATURAL GAS flow through PE-X/AL/PE-X Composite Pipe Crimped Fittings (MJ/h) Length of straight pipe in metres																											
Norm Size mm	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	correction (+) metres per fitting																												
16	84	57	45	38	37	36	34	30	27	24	19	16	14	12	11	10	9	8	-	-	-	-	-	-	-	-	1.3																												
20	158	106	84	72	63	57	52	48	45	43	41	40	35	30	27	24	22	20	18	17	-	-	-	-	-	-	1.2																												
25	314	211	167	142	125	113	103	96	89	84	79	75	71	68	64	62	60	58	54	50	48	46	45	45	44	44	0.5																												
32	602	405	322	273	240	216	198	184	172	162	142	128	117	109	102	98	95	89	85	83	80	78	76	74	73	71	0.6																												
40	985	663	526	446	393	354	324	300	281	264	233	210	192	178	166	157	150	141	136	131	126	121	117	113	110	107	0.9																												
50	1900	1278	1014	860	757	682	625	579	541	510	449	404	370	343	321	302	285	272	256	248	238	229	221	214	207	201	n/a																												
63	3691	2505	1994	1696	1495	1349	1236	1146	1072	1010	889	802	734	680	636	598	567	539	515	494	474	457	452	427	414	402	n/a																												

Table 1B

Pressure Drop of 0.75 kPa (Meter Pressure 2.75 kPa - 5.0kPa)																												NATURAL GAS flow through PE-X/AL/PE-X Composite Pipe Crimped Fittings (MJ/h) Length of straight pipe in metres																											
Norm Size mm	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	correction (+) metres per fitting																												
16	315	214	168	142	125	113	103	96	90	84	74	67	61	57	53	50	47	45	42	44	39	37	36	35	34	33	1.7																												
20	589	396	314	267	235	212	194	179	168	158	139	125	115	106	99	94	88	84	80	77	74	71	69	67	65	63	1.4																												
25	1169	787	624	530	466	420	385	356	333	314	276	249	228	211	197	186	181	178	167	157	151	146	141	137	133	128	0.8																												
32	2246	1511	1199	1017	895	807	739	684	640	602	530	478	438	405	379	357	340	335	329	321	309	298	287	278	270	262	0.6																												
40	3671	2470	1960	1662	1463	1319	1207	1119	1046	985	867	781	715	663	620	583	555	526	505	484	466	449	434	420	408	396	n/a																												
50	7082	4766	3780	3207	2823	2544	2329	2158	2018	1900	1672	1507	1380	1278	1195	1125	1027	1014	936	897	863	832	804	778	756	734	n/a																												
63	13362	8995	7125	6040	5313	4784	4379	4055	3806	3586	3172	2878	2645	2452	2286	2156	2043	1946	1860	1784	1716	1654	1599	1548	1503	1459	n/a																												