

Verschiedene Rohrleitungen

Rohr	Innen- durch- messer in mm	Um- fang in cm	Fläche in cm ²	Volumen in 100m in m ³	Menge bei 1m/s in l/min	Menge bei 2m/s in l/min	Menge bei 3.5m/s in l/min	K =100		
								Verlust bei 1m/s und 100m Leitung in m	Verlust bei 2m/s und 100m Leitung in m	Verlust bei 3.5m/s und 100m Leitung in m
PE 40	32.6	10.2	8.3	0.08	50	100	175	6.1	24.4	74.7
PE 50	40.8	12.8	13.1	0.13	78	157	275	4.5	18.1	55.4
PE 63	51.4	16.1	20.7	0.21	124	249	436	3.3	13.3	40.7
PE 75	61.4	19.3	29.6	0.30	178	355	630	2.6	10.5	32.9
PE 90	73.6	23.1	42.5	0.43	255	511	893	2.1	8.2	25.2
PE 110	90.0	28.3	63.6	0.64	382	763	1336	1.6	6.3	19.3
PE 125	102.2	32.1	82.0	0.82	492	984	1723	1.3	5.3	16.3
PE 140	114.6	36.0	103.1	1.03	619	1238	2166	1.1	4.6	14.0
PE 160	130.8	41.1	134.4	1.34	806	1612	2822	1.0	3.8	11.7
PE 180	147.2	46.2	170.2	1.70	1021	2042	3574	0.8	3.3	10.0
PE 200	163.6	51.4	210.2	2.10	1261	2523	4414	0.7	2.8	8.7
PE 225	184.0	57.8	265.9	2.66	1595	3191	5584	0.6	2.4	7.4
PE 250	204.6	64.3	328.8	3.29	1973	3945	6904	0.5	2.1	6.5
PE 280	229.2	72.0	412.6	4.13	2476	4951	8664	0.5	1.8	5.5
PE 315	257.8	81.0	522.0	5.22	3132	6264	10962	0.4	1.5	4.7
PE 355	290.4	91.2	662.3	6.62	3974	7948	13909	0.3	1.3	4.0
PE 400	327.2	102.8	840.8	8.41	5045	10090	17658	0.3	1.1	3.4
DN 75	75	23.6	44.2	0.44	265	530	928	2.0	8.0	24.6
DN 80	80	25.1	50.3	0.50	302	603	1056	1.8	7.4	22.6
DN 90	90	28.3	63.6	0.64	382	763	1336	1.6	6.3	19.3
DN 100	100	31.4	78.5	0.79	471	942	1649	1.4	5.5	16.8
DN 110	110	34.6	95.0	0.95	570	1140	1996	1.2	4.8	14.8
DN 120	120	37.7	113.1	1.13	679	1357	2375	1.1	4.3	13.1
DN 125	125	39.3	122.7	1.23	736	1473	2577	1.0	4.1	12.4
DN 135	135	42.4	143.1	1.43	859	1718	3006	0.9	3.7	11.2
DN 150	150	47.1	176.7	1.77	1060	2121	3711	0.8	3.2	9.8
DN 165	165	51.8	213.8	2.14	1283	2566	4490	0.7	2.8	8.6
DN 175	175	55.0	240.5	2.41	1443	2886	5051	0.6	2.6	7.9
DN 180	180	56.5	254.5	2.54	1527	3054	5344	0.6	2.5	7.7
DN 200	200	62.8	314.2	3.14	1885	3770	6597	0.5	2.2	6.7
DN 225	225	70.7	397.6	3.98	2386	4771	8350	0.5	1.9	5.7
DN 250	250	78.5	490.9	4.91	2945	5890	10308	0.4	1.6	4.9
DN 275	275	86.4	594.0	5.94	3564	7127	12473	0.4	1.4	4.3
DN 300	300	94.2	706.9	7.07	4241	8482	14844	0.3	1.3	3.9
DN 315	315	99.0	779.3	7.79	4676	9352	16366	0.3	1.2	3.6
DN 325	325	102.1	829.6	8.30	4977	9955	17421	0.3	1.1	3.5
DN 350	350	110.0	962.1	9.62	5773	11545	20204	0.3	1.0	3.2
DN 375	375	117.8	1104.5	11.04	6627	13254	23194	0.2	0.9	2.9
DN 400	400	125.7	1256.6	12.57	7540	15080	26389	0.2	0.9	2.6
DN 425	425	133.5	1418.6	14.19	8512	17023	29791	0.2	0.8	2.4
DN 450	450	141.4	1590.4	15.90	9543	19085	33399	0.2	0.7	2.3
DN 475	475	149.2	1772.1	17.72	10632	21265	37213	0.2	0.7	2.1
DN 500	500	157.1	1963.5	19.63	11781	23562	41233	0.2	0.6	2.0
DN 525	525	164.9	2164.8	21.65	12989	25977	45460	0.1	0.6	1.8
DN 550	550	172.8	2375.8	23.76	14255	28510	49892	0.1	0.6	1.7
DN 600	600	188.5	2827.4	28.27	16965	33929	59376	0.1	0.5	1.5