

Velocity / Flow rate Conversion Tables

$$\text{Velocity [m/s]} = \frac{\text{Flow Rate [l/s]} \times 1273.2}{\text{ID}^2}$$

$$\text{Flow Rate [l/s]} = \frac{\text{Velocity [m/s]} \times \text{ID}^2}{1273.2}$$

		Velocity														
		ft/sec	0.5	0.7	1.6	2.6	3.3	4.9	6.6	8.2	9.8	13.1	16.4	20	23	26.2
		m/s	0.15	0.2	0.5	0.8	1	1.5	2	2.5	3	4	5	6	7	8
D [mm]	DN [mm]	Flow Rate l/s														
20	15	0.03	0.04	0.09	0.14	0.18	0.27	0.35	0.44	0.53	0.71	0.88	1.06	1.24	1.41	
25	20	0.05	0.06	0.16	0.25	0.31	0.47	0.63	0.79	0.94	1.26	1.57	1.89	2.20	2.51	
32	25	0.07	0.10	0.25	0.39	0.49	0.74	0.98	1.23	1.47	1.96	2.45	2.95	3.44	3.93	
40	32	0.12	0.16	0.40	0.64	0.80	1.21	1.61	2.01	2.41	3.22	4.02	4.83	5.63	6.43	
50	40	0.19	0.25	0.63	1.01	1.26	1.89	2.51	3.14	3.77	5.03	6.28	7.54	8.80	10.05	
63	50	0.29	0.39	0.98	1.57	1.96	2.95	3.93	4.91	5.89	7.85	9.82	11.78	13.74	15.71	
75	65	0.50	0.66	1.66	2.65	3.32	4.98	6.64	8.30	9.96	13.27	16.59	19.91	23.23	26.55	
90	80	0.75	1.01	2.51	4.02	5.03	7.54	10.05	12.57	15.08	20.11	25.13	30.16	35.19	40.21	
110	100	1.18	1.57	3.93	6.28	7.85	11.78	15.71	19.64	23.56	31.42	39.27	47.13	54.98	62.83	
125	110	1.43	1.90	4.75	7.60	9.50	14.26	19.01	23.76	28.51	38.01	47.52	57.02	66.53	76.03	
140	125	1.84	2.45	6.14	9.82	12.27	18.41	24.54	30.68	36.82	49.09	61.36	73.63	85.91	98.18	
160	150	2.65	3.53	8.84	14.14	17.67	26.51	35.34	44.18	53.02	70.69	88.36	106.03	123.70	141.38	
200	180	3.82	5.09	12.72	20.36	25.45	38.17	50.90	63.62	76.34	101.79	127.24	152.69	178.13	203.58	
225	200	4.71	6.28	15.71	25.13	31.42	47.13	62.83	78.54	94.25	125.67	157.08	188.50	219.92	251.34	
250	225	5.96	7.95	19.88	31.81	39.76	59.64	79.52	99.41	119.29	159.05	198.81	238.57	278.33	318.10	
280	250	7.36	9.82	24.54	39.27	49.09	73.63	98.18	122.72	147.27	196.36	245.44	294.53	343.62	392.71	
315	300	10.60	14.14	35.34	56.55	70.69	106.03	141.38	176.72	212.06	282.75	353.44	424.13	494.82	565.50	
400	350	14.43	19.24	48.11	76.97	96.21	144.32	192.43	240.54	288.64	384.86	481.07	577.29	673.50	769.71	
450	400	18.85	25.13	62.83	100.53	125.67	188.50	251.34	314.17	377.00	502.67	628.34	754.01	879.67	1005.34	
500	450	23.86	31.81	79.52	127.24	159.05	238.57	318.10	397.62	477.14	636.19	795.24	954.29	1113.34	1272.38	