

# Velocity / Flow rate Conversion Tables

$$\text{Velocity [m/s]} = \frac{\text{Flow Rate [l/m]} \times 21.16}{\text{ID}^2}$$

$$\text{Flow Rate [l/m]} = \frac{\text{Velocity [m/s]} \times \text{ID}^2}{21.16}$$

		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/m														
20	15	1.6	2.1	5.3	8.5	10.6	15.9	21.3	26.6	31.9	42.5	53.2	63.8	74.4	85.1	
25	20	2.8	3.8	9.5	15.1	18.9	28.4	37.8	47.3	56.7	75.6	94.5	113.4	132.3	151.2	
32	25	4.4	5.9	14.8	23.6	29.5	44.3	59.1	73.8	88.6	118.1	147.7	177.2	206.8	236.3	
40	32	7.3	9.7	24.2	38.7	48.4	72.6	96.8	121.0	145.2	193.6	242.0	290.4	338.8	387.1	
50	40	11.3	15.1	37.8	60.5	75.6	113.4	151.2	189.0	226.8	302.5	378.1	453.7	529.3	604.9	
63	50	17.7	23.6	59.1	94.5	118.1	177.2	236.3	295.4	354.4	472.6	590.7	708.9	827.0	945.2	
75	65	30.0	39.9	99.8	159.7	199.7	299.5	399.3	499.2	599.0	798.7	998.3	1198.0	1397.7	1597.4	
90	80	45.4	60.5	151.2	242.0	302.5	453.7	604.9	756.1	907.4	1209.8	1512.3	1814.7	2117.2	2419.7	
110	100	70.9	94.5	236.3	378.1	472.6	708.9	945.2	1181.5	1417.8	1890.4	2362.9	2835.5	3308.1	3780.7	
125	110	85.8	114.4	285.9	457.5	571.8	857.8	1143.7	1429.6	1715.5	2287.3	2859.2	3431.0	4002.8	4574.7	
140	125	110.8	147.7	369.2	590.7	738.4	1107.6	1476.8	1846.1	2215.3	2953.7	3692.1	4430.5	5169.0	5907.4	
160	150	159.5	212.7	531.7	850.7	1063.3	1595.0	2126.7	2658.3	3190.0	4253.3	5316.6	6380.0	7443.3	8506.6	
200	180	229.7	306.2	765.6	1225.0	1531.2	2296.8	3062.4	3828.0	4593.6	6124.8	7656.0	9187.1	10718.3	12249.5	
225	200	283.6	378.1	945.2	1512.3	1890.4	2835.5	3780.7	4725.9	5671.1	7561.4	9451.8	11342.2	13232.5	15122.9	
250	225	358.9	478.5	1196.2	1914.0	2392.5	3588.7	4785.0	5981.2	7177.5	9569.9	11962.4	14354.9	16747.4	19139.9	
280	250	443.1	590.7	1476.8	2362.9	2953.7	4430.5	5907.4	7384.2	8861.1	11814.7	14768.4	17722.1	20675.8	23629.5	
315	300	638.0	850.7	2126.7	3402.6	4253.3	6380.0	8506.6	10633.3	12759.9	17013.2	21266.5	25519.8	29773.2	34026.5	
400	350	868.4	1157.8	2894.6	4631.4	5789.2	8683.8	11578.4	14473.1	17367.7	23156.9	28946.1	34735.3	40524.6	46313.8	
450	400	1134.2	1512.3	3780.7	6049.1	7561.4	11342.2	15122.9	18903.6	22684.3	30245.7	37807.2	45368.6	52930.1	60491.5	
500	450	1435.5	1914.0	4785.0	7656.0	9569.9	14354.9	19139.9	23924.9	28709.8	38279.8	47849.7	57419.7	66989.6	76559.5	