

Velocity / Flow rate Conversion Tables

$$\text{Velocity [m/s]} = \frac{\text{Flow Rate [m}^3\text{/h]} \times 353.44}{\text{ID}^2}$$

$$\text{Flow Rate [m}^3\text{/h]} = \frac{\text{Velocity [m/s]} \times \text{ID}^2}{353.44}$$

		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 m ³ /h														
20	15	0.10	0.13	0.32	0.51	0.64	0.95	1.27	1.59	1.91	2.55	3.18	3.82	4.46	5.09	
25	20	0.17	0.23	0.57	0.91	1.13	1.70	2.26	2.83	3.40	4.53	5.66	6.79	7.92	9.05	
32	25	0.27	0.35	0.88	1.41	1.77	2.65	3.54	4.42	5.31	7.07	8.84	10.61	12.38	14.15	
40	32	0.43	0.58	1.45	2.32	2.90	4.35	5.79	7.24	8.69	11.59	14.49	17.38	20.28	23.18	
50	40	0.68	0.91	2.26	3.62	4.53	6.79	9.05	11.32	13.58	18.11	22.63	27.16	31.69	36.22	
63	50	1.06	1.41	3.54	5.66	7.07	10.61	14.15	17.68	21.22	28.29	35.37	42.44	49.51	56.59	
75	65	1.79	2.39	5.98	9.56	11.95	17.93	23.91	29.88	35.86	47.82	59.77	71.72	83.68	95.63	
90	80	2.72	3.62	9.05	14.49	18.11	27.16	36.22	45.27	54.32	72.43	90.54	108.65	126.75	144.86	
110	100	4.24	5.66	14.15	22.63	28.29	42.44	56.59	70.73	84.88	113.17	141.47	169.76	198.05	226.35	
125	110	5.14	6.85	17.12	27.39	34.23	51.35	68.47	85.59	102.70	136.94	171.17	205.41	239.64	273.88	
140	125	6.63	8.84	22.10	35.37	44.21	66.31	88.42	110.52	132.63	176.83	221.04	265.25	309.46	353.67	
160	150	9.55	12.73	31.83	50.93	63.66	95.49	127.32	159.15	190.98	254.64	318.30	381.96	445.62	509.28	
200	180	13.75	18.33	45.84	73.34	91.67	137.51	183.34	229.18	275.01	366.68	458.35	550.02	641.69	733.36	
225	200	16.98	22.63	56.59	90.54	113.17	169.76	226.35	282.93	339.52	452.69	565.87	679.04	792.21	905.39	
250	225	21.49	28.65	71.62	114.59	143.24	214.85	286.47	358.09	429.71	572.94	716.18	859.41	1002.65	1145.88	
280	250	26.53	35.37	88.42	141.47	176.83	265.25	353.67	442.08	530.50	707.33	884.17	1061.00	1237.83	1414.67	
315	300	38.20	50.93	127.32	203.71	254.64	381.96	509.28	636.60	763.92	1018.56	1273.20	1527.84	1782.48	2037.12	
400	350	51.99	69.32	173.30	277.27	346.59	519.89	693.19	866.48	1039.78	1386.37	1732.97	2079.56	2426.15	2772.75	
450	400	67.90	90.54	226.35	362.15	452.69	679.04	905.39	1131.73	1358.08	1810.77	2263.47	2716.16	3168.85	3621.55	
500	450	85.94	114.59	286.47	458.35	572.94	859.41	1145.88	1432.35	1718.82	2291.76	2864.70	3437.64	4010.58	4583.52	