



800-536-9933

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Velocity thru Pipes  
Schedule 40

Nominal Dia	ID (inches)	OD (inches)	Area sq ft	1000 FPM	2000 FPM	3000 FPM	4000 FPM	4500 FPM	5000 FPM	5500 FPM	6000 FPM	7000 FPM
1/8	0.269	0.405	0.0004	0.390	0.79	1.18	1.58	1.78	1.97	2.17	2.37	2.76
1/4	0.364	0.540	0.0007	0.720	1.45	2.17	2.89	3.25	3.61	3.97	4.34	5.06
3/8	0.493	0.675	0.0013	1.330	2.65	3.98	5.30	5.97	6.63	7.29	7.95	9.28
1/2	0.622	0.840	0.0021	2.110	4.22	6.33	8.44	9.50	10.55	11.61	12.66	14.77
3/4	0.824	1.050	0.0037	3.700	7.41	11.11	14.81	16.67	18.52	20.37	22.22	25.92
1	1.049	1.315	0.0060	6.000	12.00	18.01	24.01	27.01	30.01	33.01	36.01	42.01
1 1/4	1.380	1.660	0.0104	10.390	20.77	31.16	41.55	46.74	51.94	57.13	62.32	72.71
1 1/2	1.610	1.900	0.0141	14.140	28.28	42.41	56.55	63.62	70.69	77.76	84.83	98.97
2	2.076	2.375	0.0235	23.510	47.01	70.52	94.03	105.78	117.53	129.29	141.04	164.55
2 1/2	2.469	2.875	0.0332	33.250	66.50	99.75	133.00	149.62	166.25	182.87	199.50	232.75
3	3.068	3.500	0.0513	51.340	102.68	154.02	205.36	231.03	256.70	282.37	308.04	359.38
3 1/2	3.548	4.000	0.0687	68.660	137.32	205.98	274.64	308.97	343.30	377.63	411.97	480.63
4	4.026	4.500	0.0884	88.410	176.82	265.22	353.63	397.83	442.04	486.24	530.45	618.85
5	5.047	5.563	0.1389	138.930	277.87	416.80	555.74	625.20	694.67	764.14	833.60	972.54
6	6.065	6.625	0.2006	200.630	401.27	601.90	802.53	902.85	1003.17	1103.49	1203.80	1404.44
8	7.981	8.625	0.3474	347.420	694.84	1042.26	1389.69	1563.40	1737.11	1910.82	2084.53	2431.95
10	10.020	10.750	0.5476	547.620	1095.24	1642.85	2190.47	2464.28	2738.09	3011.90	3285.71	3833.33
12	11.938	12.750	0.7773	777.330	1554.66	2331.99	3109.32	3497.98	3886.65	4275.31	4663.98	5441.31
14	13.126	14	0.9397	939.740	1879.48	2819.22	3758.95	4228.82	4698.69	5168.56	5638.43	6578.17
16	15	16	1.2272	1227.230	2454.45	3681.68	4908.91	5522.52	6136.13	6749.75	7363.36	8590.59
18	16.876	18	1.5534	1553.390	3016.79	4660.18	6213.57	6990.27	7766.96	8543.66	9320.36	10873.75
20	18.814	20	1.9307	1930.650	3861.31	5791.96	7722.62	8687.94	9653.27	10618.60	11583.93	13514.58
27	22.626	24	2.7923	2792.270	5584.54	8376.82	11169.09	12565.23	13961.36	15357.50	16753.63	19545.91
				16.67 FPS	33.33 FPS	50.00 FPS	66.67 FPS	75.00 FPS	83.33 FPS	91.67 FPS	100.00 FPS	116.67 FPS