

VELOCITY CHART FOR PIPE - TUBE - HOSE

STANDARD PIPE - SCHEDULE 40										EXTRA STRONG PIPE - XS - SCHEDULE 80					
Pipe Size	OD	ID	Int Area	GPM 5 Ft/Sec.	GPM 10 Ft/Sec.	GPM 15 Ft/Sec.	GPM 20 Ft/Sec.	GPM	GPM	ID	Int Area	GPM 5 Ft/Sec.	GPM 10 Ft/Sec.	GPM 15 Ft/Sec.	GPM 20 Ft/Sec.
3/8"	.675	.493	.191	3.0	6.0	9.0	12.0			.423	.141	2.2	4.4	6.6	8.8
1/2"	.840	.622	.304	4.8	9.5	12.0	19.0			.546	.234	3.7	7.3	11.0	14.7
3/4"	1.050	.824	.533	8.4	16.7	25.1	33.4			.742	.433	6.8	13.6	20.3	27.1
1"	1.315	1.049	.864	13.5	27.0	40.6	54.1			.957	.719	11.3	22.5	33.8	45.0
1-1/4"	1.660	1.380	1.495	23.4	46.8	70.3	93.7			1.278	1.283	20.0	40.1	60.2	80.3
1-1/2"	1.900	1.610	2.036	31.9	63.7	95.6	127.0			1.500	1.767	27.7	55.3	83.0	110.0
2"	2.375	2.067	3.356	52.5	105.0	157.0	210.0			1.939	2.953	46.2	92.5	139.0	185.0
2-1/2"	2.875	2.469	4.788	75.0	150.0	225.0	300.0			2.323	4.238	66.4	133.0	199.0	265.0
3"	3.500	3.068	7.393	116.0	232.0	347.0	463.0			2.900	6.605	103.0	207.0	310.0	414.0
3-1/2"	4.000	3.548	9.886	155.0	310.0	465.0	619.0			3.364	8.888	139.0	278.0	418.0	557.0
4"	4.500	4.026	12.730	199.0	399.0	598.0	797.0			3.826	11.500	180.0	360.0	540.0	720.0
ASA TUBING										SAE HOSE					
Tube Size	Wall Thk.	Int Area	GPM 5 Ft/Sec.	GPM 10 Ft/Sec.	GPM 15 Ft/Sec.	GPM 20 Ft/Sec.	GPM 25 Ft/Sec.	Hose Size	Int Area	GPM 5 Ft/Sec.	GPM 10 Ft/Sec.	GPM 15 Ft/Sec.	GPM 20 Ft/Sec.		
1/2"	.083	.088	1.37	2.74	4.11	5.48	6.85	3/8"	.110	1.73	3.46	5.19	6.92		
5/8"	.109	.133	2.08	4.16	6.24	8.32	10.40	1/2"	.196	3.08	6.15	9.23	12.30		
3/4"	.109	.222	3.48	6.96	10.44	13.92	17.40	5/8"	.307	4.81	9.61	14.42	19.24		
7/8"	.095	.369	5.75	11.50	17.25	23.00	28.75	3/4"	.442	6.90	13.80	20.70	27.60		
1"	.109	.480	7.50	15.00	22.50	30.00	37.50	7/8"	.601	9.40	18.80	28.20	37.60		
1-1/8"	.120	.615	9.60	19.20	28.80	38.40	48.00	1"	.785	12.30	24.60	36.90	49.20		
1-1/4"	.120	.801	12.55	25.10	37.66	50.20	62.75	1-1/4"	1.227	19.20	38.40	57.60	76.80		
1-1/2"	.120	1.247	19.55	39.10	58.65	78.20	97.75	1-1/2"	1.767	27.70	55.40	83.10	110.80		
2"	.250	1.767	27.70	55.40	83.10	110.80	138.50	2"	3.142	49.20	98.40	147.60	196.80		
								2-1/2"	4.909	77.00	154.00	231.00	308.00		
								3"	7.069	110.50	221.00	331.50	442.00		
								3-1/2"	9.621	150.50	301.00	451.50	602.00		
								4"	12.566	197.00	394.00	591.00	788.00		

Consult Manufacturer for Ordering Information