

## SCHEDULE 80 PLASTIC PIPE DIAMETER SELECTION CHART FOR PAINT PRETREATMENT WASHERS

The design consideration of 10 ft/sec for solution flow is used by most equipment builders to minimize fitting erosion and pump pressure drops.

### SOLUTION VELOCITIES IN FT/SEC FOR VARIOUS PUMP GPM's

PIPE SIZE	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475
2"	11.15	13.94	16.72	19.51	22.30	25.09	27.87	30.66	33.45	36.24	39.02	41.81	44.60	47.39	50.17	52.96
2-1/2"	7.57	9.46	11.35	13.25	15.14	17.03	18.92	20.82	22.71	24.60	26.49	28.38	30.28	32.17	34.06	35.95
3"	4.86	6.07	7.29	8.50	9.71	10.93	12.14	13.36	14.57	15.78	17.00	18.21	19.43	20.64	21.86	23.07
4"	2.79	3.49	4.19	4.88	5.58	6.28	6.98	7.67	8.37	9.07	9.77	10.46	11.16	11.86	12.56	13.25
6"	1.23	1.54	1.85	2.15	2.46	2.77	3.08	3.38	3.69	4.00	4.31	4.62	4.92	5.23	5.54	5.85
8"	0.70	0.88	1.05	1.23	1.41	1.58	1.76	1.93	2.11	2.28	2.46	2.63	2.81	2.99	3.16	3.34
PIPE SIZE	500	525	550	575	600	625	650	675	700	750	800	850	900	1000	1100	1200
2"	55.75	58.54	61.32	64.11	66.90	69.69	72.47	75.26	78.05	83.62	89.20	94.77	100.35	111.50	122.65	133.80
2-1/2"	37.85	39.74	41.63	43.52	45.42	47.31	49.20	51.09	52.98	56.77	60.55	64.34	68.12	75.69	83.26	90.83
3"	24.28	25.50	26.71	27.93	29.14	30.36	31.57	32.75	34.00	36.43	38.85	41.28	43.71	48.57	53.42	58.28
4"	13.95	14.65	15.35	16.04	16.74	17.44	18.14	18.83	19.53	20.93	22.32	23.72	25.11	27.90	30.69	33.48
6"	6.15	6.46	6.77	7.08	7.38	7.69	8.00	8.31	8.61	9.23	9.85	10.46	11.08	12.31	13.54	14.77
8"	3.51	3.69	3.86	4.04	4.22	4.39	4.57	4.74	4.92	5.27	5.62	5.97	6.32	7.03	7.73	8.43