

APPLICATION NOTES

PRESSURE DROP IN ENDOT

IPS PIPE

PRESSURE DROP PER 100 FEET CALCULATED FOR WATER FLOW

SIZE	1/2"			3/4"			1"			1 1/4"			1 1/2"			2"				
	VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP			
	GAL. PER MINUTE	FT/S	FT of HD	PSI	FT/S	FT of HD	PSI	FT/S	FT of HD	PSI	FT/S	FT of HD	PSI	FT/S	FT of HD	PSI	FT/S	FT of HD	PSI	
1	1.06	1.0	43																	
2	2.11	3.6	1.54	1.20	0.9	0.39														
3	3.17	7.6	3.29	1.80	1.9	0.83	1.11	0.6	0.26											
4	4.22	12.9	5.59	2.40	3.3	1.42	1.49	1.0	0.44	0.86	0.3	0.12								
5	5.28	19.5	8.45	3.00	5.0	2.15	1.86	1.5	0.66	1.07	0.4	0.17	0.79	0.2	0.08					
6	6.33	27.4	11.84	3.60	7.0	3.01	2.23	2.2	0.93	1.29	0.6	0.25	0.95	0.3	0.12	0.57	0.1	0.03		
8	8.45	46.6	20.17	4.8	11.9	5.13	2.97	3.7	1.59	1.71	1.1	0.47	1.26	0.5	0.20	0.76	0.1	0.06		
10	10.6	70.5	30.5	6.00	17.9	7.76	3.71	5.5	2.40	2.14	1.5	0.63	1.58	0.7	0.30	0.96	0.2	0.09		
15				9.01	38.0	16.45	5.57	11.7	5.8	3.21	3.1	1.34	2.36	1.5	0.63	1.43	0.4	0.19		
20				12.0	64.7	28.0	7.43	20.0	8.66	4.28	5.3	2.28	3.15	2.5	1.08	1.91	0.7	0.32		
25							9.28	30.2	13.09	5.35	8.0	3.45	3.94	3.8	1.63	2.39	1.1	0.48		
30							11.14	42.4	18.34	6.43	11.2	4.83	4.73	5.3	2.28	2.87	1.6	0.68		
40										8.57	19.0	8.23	6.30	9.0	3.89	3.82	2.7	1.15		
50										10.71	28.7	12.44	7.88	13.6	5.88	4.78	4.0	1.74		
60													9.45	19.0	8.24	5.74	5.6	2.44		
70													11.03	25.3	10.96	6.69	7.5	3.25		
80																7.65	9.6	4.16		
100																9.61	14.6	6.30		

EQUIVALENT FEET OF PIPE FOR VARIOUS INSERT FITTINGS

TYPE OF FITTING	1/2	3/4	1	1 1/4	1 1/2	2
INSERT ADAPTER	1.0	1.5	2.0	2.75	3.5	4.5
INSERT COUPLING	0.5	0.75	1.0	1.25	1.5	2.0
ELL	1.3	1.9	2.6	3.5	4.1	5.2
TEE (SIDE)	2.5	3.0	5.2	7.0	8.1	10.4